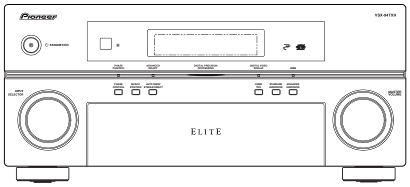
Pioneer sound.vision.soul

Service Manual



VSX-94TXH

ORDER NO.
RRV3629

AUDIO/VIDEO MULTI-CHANNEL RECEIVER

VSX-94TXH

VSX-92TXH

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Model	Type	Power Requirement	Remarks
VSX-94TXH	KUXJ/CA	AC 120 V	
VSX-92TXH	KUXJ/CA	AC 120 V	

!

For details, refer to "Important Check Points for good servicing".

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SAFETY INFORMATION

This service manual is intended for qualified service technicians ; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.
Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING
This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

NOTICE
(FOR CANADIAN MODEL ONLY)
Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE
(POUR MODÈLE CANADIEN SEULEMENT)
Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

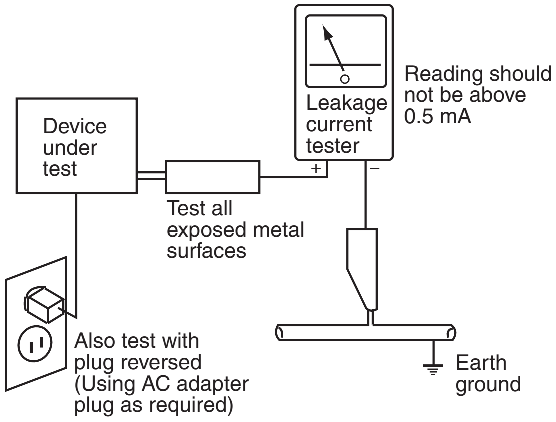
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Device under test
Leakage current tester
Reading should not be above 0.5 mA
+
−
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

[Important Check Points for Good Servicing]

In this manual, procedures that must be performed during repairs are marked with the below symbol.
Please be sure to confirm and follow these procedures.

1. Product safety

Please conform to product regulations (such as safety and radiation regulations), and maintain a safe servicing environment by following the safety instructions described in this manual.

① Use specified parts for repair.

Use genuine parts. Be sure to use important parts for safety.

② Do not perform modifications without proper instructions.

Please follow the specified safety methods when modification(addition/change of parts) is required due to interferences such as radio/TV interference and foreign noise.

③ Make sure the soldering of repaired locations is properly performed.

When you solder while repairing, please be sure that there are no cold solder and other debris.
Soldering should be finished with the proper quantity. (Refer to the example)

④ Make sure the screws are tightly fastened.

Please be sure that all screws are fastened, and that there are no loose screws.

⑤ Make sure each connectors are correctly inserted.

Please be sure that all connectors are inserted, and that there are no imperfect insertion.

⑥ Make sure the wiring cables are set to their original state.

Please replace the wiring and cables to the original state after repairs.
In addition, be sure that there are no pinched wires, etc.

⑦ Make sure screws and soldering scraps do not remain inside the product.

Please check that neither solder debris nor screws remain inside the product.

⑧ There should be no semi-broken wires, scratches, melting, etc. on the coating of the power cord.

Damaged power cords may lead to fire accidents, so please be sure that there are no damages.
If you find a damaged power cord, please exchange it with a suitable one.

⑨ There should be no spark traces or similar marks on the power plug.

When spark traces or similar marks are found on the power supply plug, please check the connection and advise on secure connections and suitable usage. Please exchange the power cord if necessary.

⑩ Safe environment should be secured during servicing.

When you perform repairs, please pay attention to static electricity, furniture, household articles, etc. in order to prevent injuries.
Please pay attention to your surroundings and repair safely.

2. Adjustments

To keep the original performance of the products, optimum adjustments and confirmation of characteristics within specification.
Adjustments should be performed in accordance with the procedures/instructions described in this manual.

3. Lubricants, Glues, and Replacement parts

Use grease and adhesives that are equal to the specified substance.
Make sure the proper amount is applied.

4. Cleaning

For parts that require cleaning, such as optical pickups, tape deck heads, lenses and mirrors used in projection monitors, proper cleaning should be performed to restore their performances.

5. Shipping mode and Shipping screws

To protect products from damages or failures during transit, the shipping mode should be set or the shipping screws should be installed before shipment. Please be sure to follow this method especially if it is specified in this manual.

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1. SERVICE PRECAUTIONS

1.1 NOTES ON SOLDERING

- For environmental protection, lead-free solder is used on the printed circuit boards mounted in this unit.
  Be sure to use lead-free solder and a soldering iron that can meet specifications for use with lead-free solders for repairs accompanied by reworking of soldering.

- Compared with conventional eutectic solders, lead-free solders have higher melting points, by approximately 40 ºC.
  Therefore, for lead-free soldering, the tip temperature of a soldering iron must be set to around 373 ºC in general, although the temperature depends on the heat capacity of the PC board on which reworking is required and the weight of the tip of the soldering iron.

Do NOT use a soldering iron whose tip temperature cannot be controlled.

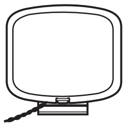
Compared with eutectic solders, lead-free solders have higher bond strengths but slower wetting times and higher melting temperatures (hard to melt/easy to harden).

The following lead-free solders are available as service parts:

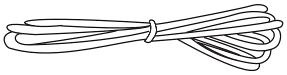
- Parts numbers of lead-free solder:
  GYP1006 1.0 in dia.
  GYP1007 0.6 in dia.
  GYP1008 0.3 in dia.

2. SPECIFICATIONS

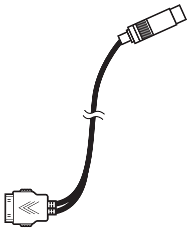
2.1 ACCESSORIES



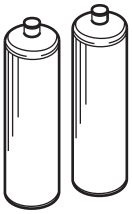
AM Loop Antenna
(ATB7013)



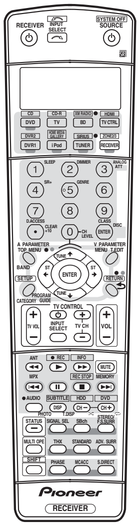
FM Wire Antenna
(ADH7030)



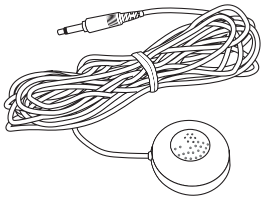
Audio Control Cable for iPod
(XDE7025)



AA/IEC R6P Dry Cell Batteries
(VEM1031)



Remote Control Unit
(VSX-94TXH : AXD7504)
(VSX-92TXH : AXD7501)



Setup Microphone
(for Auto MCACC setup)
(APM7008)

2.2 SPECIFICATIONS

Amplifier section

Continuous average power output of 140 (or 130) watts* per channel, min., at 8 ohms, from 20 Hz to 20 000 Hz with no more than 0.09 % total harmonic distortion (front).**

Continuous Power Output (20 Hz to 20 kHz, 8 Ω, 0.09 %)

Front	130 W + 130 W (92TXH), 140 W + 140 W (94TXH)
Center	130 W (92TXH), 140 W (94TXH)
Surround	130 W + 130 W (92TXH) 140 W + 140 W (94TXH)
Surround back	130 W + 130 W (92TXH) 140 W + 140 W (94TXH)

Continuous Power Output (1 kHz, 6 Ω, 1.0 %)

Front	160 W + 160 W (92TXH), 180 W + 180 W (94TXH)
Center	160 W (92TXH), 180 W (94TXH)
Surround	160 W + 160 W (92TXH) 180 W + 180 W (94TXH)
Surround back	160 W + 160 W (92TXH) 180 W + 180 W (94TXH)
Total harmonic distortion	0.05 % (20 Hz to 20 kHz, 120 W, 8 Ω) (92TXH) (20 Hz to 20 kHz, 130 W, 8 Ω) (94TXH)

* Measured pursuant to the Federal Trade Commission's Trade Regulation rule on Power Output Claims for Amplifiers
** Measured by Audio Spectrum Analyzer

Audio Section

Input (Sensitivity/Impedance)	
LINE	335 mV/47 kΩ
Frequency Response (LINE)	5 Hz to 100 000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)	
REC	335 mV/2.2 kΩ
Tone Control	
BASS	± 6 dB (100 Hz)
TREBLE	± 6 dB (10 kHz)
LOUDNESS	+4 dB / +2 dB (100 Hz / 10 kHz) (at volume position –40 dB)
Signal-to-Noise Ratio (IHF, short circuited, A network)	
LINE	103 dB
Signal-to-Noise Ratio [EIA, at 1 W (1 kHz)]	
LINE	83 dB

Composite Video / S-Video Section

Input (Sensitivity/Impedance)	1 Vp-p/75 Ω
Output (Level/Impedance)	1 Vp-p/75 Ω
Signal-to-Noise Ratio	65 dB
Frequency Response	5 Hz to 10 MHz

Component Video Section

Input (Sensitivity/Impedance)	1 Vp-p/75 Ω
Output (Level/Impedance)	1 Vp-p/75 Ω
Signal-to-Noise Ratio	65 dB
Frequency Response	5 Hz to 100 MHz

FM Tuner Section

Frequency Range	87.5 MHz to 108 MHz
Usable Sensitivity	Mono: 13.2 dBf, IHF (1.3 µV/75 Ω)
50 dB Quieting Sensitivity	Mono: 20.2 dBf Stereo: 38.6 dBf
Signal-to-Noise Ratio	Mono: 73 dB (at 85 dBf) Stereo: 70 dB (at 85 dBf)
Distortion	Stereo: 0.5 % (1 kHz)
Alternate Channel Selectivity	60 dB (400 kHz)
Stereo Separation	40 dB (1 kHz)
Frequency Response	30 Hz to 15 kHz ± 1 dB
Antenna Input	75 Ω unbalanced

AM Tuner Section

Frequency Range	530 kHz to 1700 kHz
Sensitivity (IHF, Loop antenna)	350 µV/m
Selectivity	25 dB
Signal-to-Noise Ratio	50 dB
Antenna	Loop antenna

Miscellaneous

Power Requirements	AC 120 V, 60 Hz
Power Consumption	530 W, 690 VA
In standby	0.55 W (HDMI Control OFF) 0.75 W (HDMI Control ON)
AC Outlet	(switched) 100 W MAX.
Dimensions	420 (W) mm x 187 (H) mm x 459 (D) mm (16 9/16 (W) in. x 7 3/8 (H) in. x 18 1/16 (D) in.)
Weight (without package)	17.0 kg (37.5 lb)

Furnished Parts

Setup microphone (for Auto MCACC setup)	1
AA/IEC R6P dry cell batteries	2
Remote control unit	1
AM loop antenna	1
FM wire antenna	1
iPod control cable	1
Warranty card	1

These operating instructions
Operating instructions for HOME MEDIA GALLERY (VSX-94TXH only)

Note

- Specifications and the design are subject to possible modifications without notice, due to improvements.

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"DTS" is a registered trademark of DTS, Inc. and "DTS-HD Master Audio" is a trademark of DTS, Inc.

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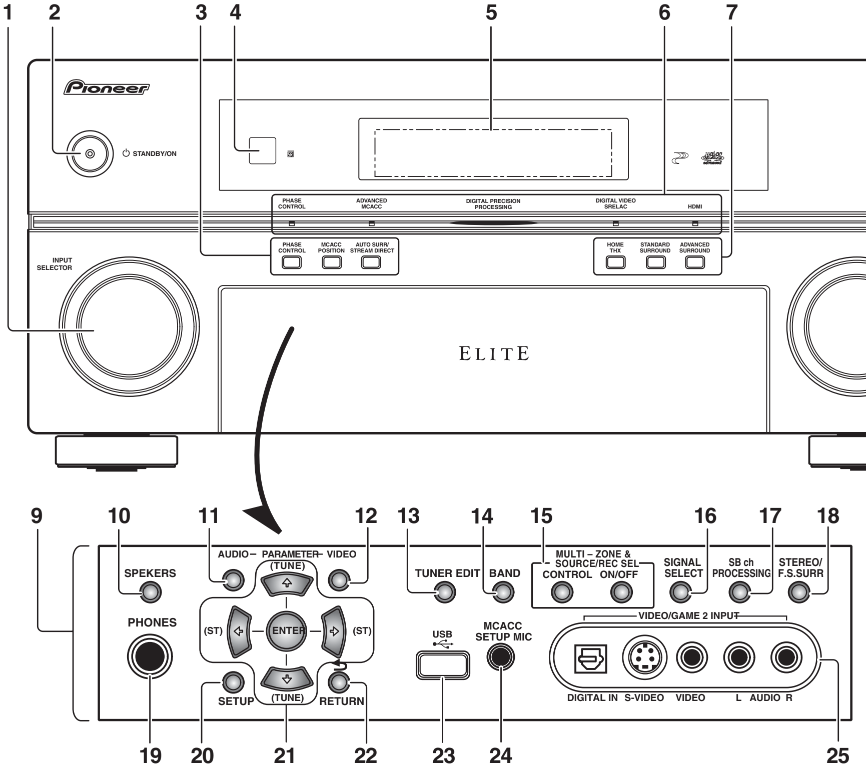
2.3 PANEL FACILITIES

● Front Panel

Illustration shows the VSX-94TXH front panel


1
2
3
4
5
6
7
8
Pioneer
VSX-94TXH
STANDBY/ON
PHASE CONTROL
ADVANCED MCACC
DIGITAL PRECISION PROCESSING
DIGITAL VIDEO SRELAC
HDMI
INPUT SELECTOR
PHASE CONTROL
MCACC POSITION
AUTO SURR/ STREAM DIRECT
HOME THX
STANDARD SURROUND
ADVANCED SURROUND
MASTER VOLUME
ELITE
9
10
11
12
13
14
15
16
17
18
SPEKERS
AUDIO
PARAMETER
VIDEO
(TUNE)
TUNER EDIT
BAND
MULTI – ZONE & SOURCE/REC SEL
CONTROL
ON/OFF
SIGNAL SELECT
SB ch PROCESSING
STEREO/ F.S.SURR
PHONES
(ST)
ENTER
(ST)
USB
MCACC SETUP MIC
VIDEO/GAME 2 INPUT
SETUP
(TUNE)
RETURN
DIGITAL IN
S-VIDEO
VIDEO
L AUDIO R
19
20
21
22
23
24
25

1 INPUT SELECTOR dial
Use to select an input source.

2 ⏻ STANDBY/ON
Switches the receiver between on and standby. Power indicator lights when the receiver is on.

3 PHASE CONTROL – Press to switch on/off Phase Control or Full Band Phase Control.

MCACC POSITION – Press to switch between MCACC presets.

AUTO SURR/STREAM DIRECT – Press to select Auto Surround or Stream Direct listening.

4 Remote sensor
Receives the signals from the remote control.

5 Character display

6 PHASE CONTROL indicator – Lights to indicate Phase Control or Full Band Phase Control is selected.

ADVANCED MCACC indicator – Lights when one of the MCACC presets is selected.[1]

Digital Precision Processing indicator – Lights to indicate digital processing (for example, it disappears when Pure Direct is on, or when listening through the multichannel analog inputs).

DIGITAL VIDEO SCALER indicator – Lights when Resolution is set to a setting other than **PURE** (for example, when the video input signal is upscaled).

HDMI indicator – Blinks when connecting an HDMI-equipped component; lights when the component is connected.

7 Listening mode buttons

HOME THX – Press to select a Home THX listening mode.

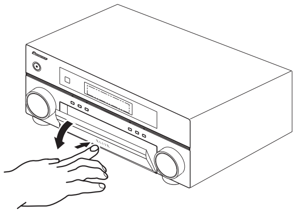
STANDARD SURROUND – Press for Standard decoding and to switch between the various DD Pro Logic IIx and Neo:6 options.

ADVANCED SURROUND – Use to switch between the various surround modes.

8 MASTER VOLUME dial

9 Front panel controls

To access the front panel controls, push gently on the lower third portion of the panel with your finger.



10 SPEAKERS

Use to change the speaker system.

11 AUDIO PARAMETER

Use to access the Audio options.

12 VIDEO PARAMETER

Use to access the Video options.

13 TUNER EDIT

Use with ⬅/➡ to memorize and name stations for recall.

14 BAND

Switches between AM and FM radio bands.

15 MULTI-ZONE & SOURCE/REC SEL controls

If you've made MULTI-ZONE connections use these controls to control the sub zone from the main zone. You will also need to use the **REC SEL** controls when recording a source.

16 SIGNAL SELECT

Use to select an input signal.

17 SBch PROCESSING

Selects the surround back channel mode or virtual surround back mode.

18 STEREO/F.S.SURR

Switches between the stereo playback mode and the Front Stage Surround Advance mode.

19 PHONES jack

Use to connect headphones. When the headphones are connected, there is no sound output from the speakers.

20 SETUP

Press to access the System Setup menu.

21 ⬅➡⬇⬆ (TUNE/ST) /ENTER

Use the arrow buttons when setting up your surround sound system. Use the **TUNE** ⬆/⬇ buttons to find radio frequencies and use **ST** ⬅/➡ to find preset stations.

22 RETURN

Press to confirm and exit the current menu screen.

23 USB interface (VSX-94TXH only)

Connect a USB audio device for playback.
See the separate manual for HOME MEDIA GALLERY.

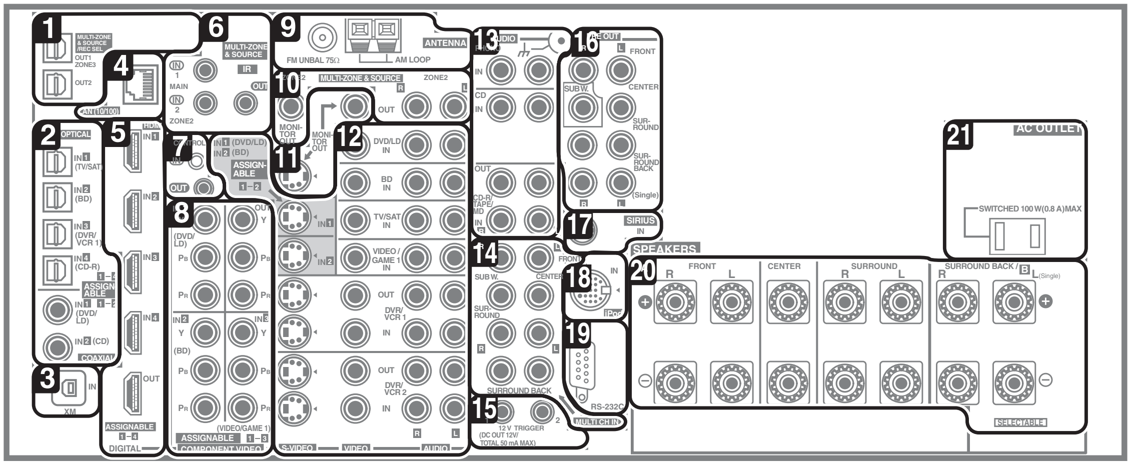
24 MCACC SETUP MIC jack

Use to connect the supplied microphone.

25 VIDEO/GAME 2 INPUT

Rear Panel

This illustration shows the VSX-94TXH, however connections for the 92TXH are the same except where noted.


1
MULTI-ZONE & SOURCE /REC SEL
OUT1 ZONE3
OUT2
4
LAN (10/100)
6
MULTI-ZONE & SOURCE
IR
IN 1 MAIN
IN 2 ZONE2
OUT
9
FM UNBAL 75Ω
AM LOOP
ANTENNA
10
MULTI-ZONE & SOURCE
ZONE2
OUT
2
OPTICAL
IN 1 (TV/SAT)
IN 2 (BD)
IN 3 (DVR/VCR 1)
IN 4 (CD-R)
ASSIGNABLE
IN 1 (DVD/LD)
IN 2 (CD)
COAXIAL
5
HDMI
IN 1
IN 2
IN 3
IN 4
OUT
ASSIGNABLE
DIGITAL
7
CONTROL
IN
OUT
IN 1 (DVD/LD)
IN 2 (BD)
ASSIGNABLE 1-2
11
MONITOR OUT
12
DVD/LD IN
BD IN
TV/SAT IN
VIDEO / GAME 1 IN
OUT
DVR/VCR 1
IN
OUT
DVR/VCR 2
IN
S-VIDEO
VIDEO
AUDIO
8
(DVD/LD)
Y
PB
PR
IN 2
(BD)
IN 3
(VIDEO/GAME 1)
ASSIGNABLE 1-3
COMPONENT VIDEO
3
XM
13
AUDIO
CD IN
OUT
CD-R/TAPE/MD
IN
14
FRONT
SUB W.
CENTER
SURROUND
SURROUND BACK
MULTI CH IN
15
12 V TRIGGER
(DC OUT 12V/TOTAL 50 mA MAX)
16
PRE OUT
FRONT
CENTER
SUB W.
SURROUND
SURROUND BACK
(Single)
17
SIRIUS IN
18
iPod
IN
19
RS-232C
20
SPEAKERS
FRONT
CENTER
SURROUND
SURROUND BACK / B
R
L
(Single)
SELECTABLE
21
AC OUTLET
SWITCHED 100 W (0.8 A) MAX

Caution

- Before making or changing the connections, switch off the power and disconnect the power cord from the power outlet. Plugging in should be the final step.

1 Optical digital audio output(s)
Use the **OUT1** and (VSX-94TXH only) **OUT2** jack for recording to a CD or MiniDisc recorder.

The **OUT1** jack is also used for MULTI-ZONE connections.

2 Optical and coaxial digital audio inputs (x6)
Use for digital audio sources, including DVD players/recorders, digital satellite receivers, CD players, etc.

3 XM Radio input

4 LAN (10/100) terminal (VSX-94TXH only)
→ For details, refer to the supplied operating instructions for HOME MEDIA GALLERY.

5 HDMI connectors (x4) (VSX-92TXH) **(x5)** (VSX-94TXH)
Multiple inputs and one output for high-quality audio/video connection to compatible HDMI devices.

6 Remote inputs (MULTI-ZONE and source)
Use for connection to an external remote control sensor for use in a MULTI-ZONE setup, for example.

7 Control input/output
Use to connect other Pioneer components so that you can control all your equipment from a single IR remote sensor.

8 Component video connections (x4)
Use the inputs to connect any video source that has component video output, such as a DVD recorder. Use the output for connection to a monitor or TV.

9 AM and FM antenna terminals
Use to connect indoor or outdoor antennas for radio broadcasts.

10 MULTI-ZONE and source outputs
Use to connect a second amplifier in a separate room.

11 Composite and S-video monitor outputs
Use to connect monitors and TVs.

12 Audio/video source inputs/(outputs) (x6)
Use for connection to audio/visual sources, such as DVD players/recorders, VCRs, etc. Each set of inputs has jacks for composite video, S-video[1] and stereo analog audio.

13 Stereo analog audio source inputs/(outputs) (x3)
Use for connection to audio sources such as CD players, tape decks, turntables, etc.

14 Multichannel analog audio inputs
7.1 channel inputs for connection to a DVD player with multichannel analog outputs.

15 12 V trigger jacks (total 50 mA max.) **(x2)**
Use to switch components in your system on and off according to the input function of the receiver.

16 Multichannel pre-amplifier outputs
Use to connect separate amplifiers for center, surround, surround back and subwoofer channels.

17 SIRIUS Radio input

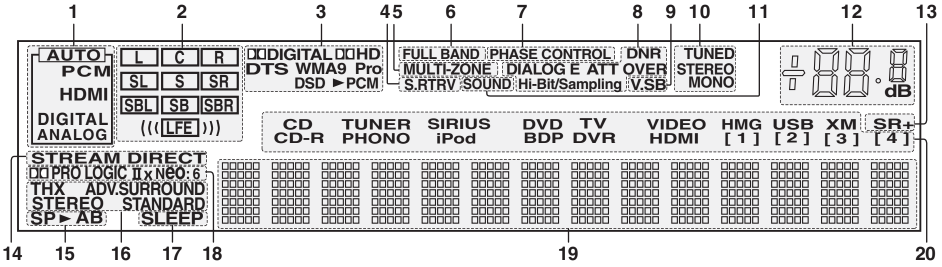
18 iPod input terminal
Use to connect your Apple iPod as an audio or video source.

19 RS-232C connector
Use for connection to a PC for graphical output when using Advanced MCACC or Full Band Phase Control.

20 Speaker terminals
Use for connection to the main front, center, surround and surround back speakers.

21 Switched AC power outlet (100 W/0.8 A max.)
Use to power another component in the system. Power to the outlet switches on and off with the receiver.

Display


1
2
3
4 5
6
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11
12
13
AUTO
PCM
HDMI
DIGITAL
ANALOG
L C R
SL S SR
SBL SB SBR
(((LFE)))
□□DIGITAL □□HD
DTS WMA9 Pro
DSD ►PCM
FULL BAND
PHASE CONTROL
DNR
MULTI-ZONE
DIALOG E
ATT
OVER
S.RTRV
SOUND
Hi-Bit/Sampling
V.SB
TUNED
STEREO
MONO
dB
CD CD-R
TUNER PHONO
SIRIUS iPod
DVD BDP
TV DVR
VIDEO HDMI
HMG [1]
USB [2]
XM [3]
SR+ [4]
STREAM DIRECT
□□PRO LOGIC IIx NEO:6
THX ADV.SURROUND
STEREO STANDARD
SP► AB
SLEEP
14
15
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1 SIGNAL indicators
Light to indicate the currently selected input signal. **AUTO** lights when the receiver is set to select the input signal automatically.

2 Program format indicators
These change according to which channels are active in digital sources.

L – Left front channel
C – Center channel
R – Right front channel
SL – Left surround channel
S – Surround channel (mono)
SR – Right surround channel
SBL – Left surround back channel
SB – Surround back channel (mono)
SBR – Right surround back channel
LFE – Low frequency effects channel (the **((( )))** indicators light when an LFE signal is being input)

3 Digital format indicators
Light when a signal encoded in the corresponding format is detected (**DSD►PCM** lights during DSD (Digital Stream Direct) to PCM conversion with SACDs).

4 S.RTRV
Lights when the Sound Retriever is switched on and/or **ANALOG ATT**.

5 MULTI-ZONE
Lights when the MULTI-ZONE feature is active.

6 FULL BAND
Lights when the Full Band Phase Control is switched on.

7 PHASE CONTROL
Lights when the Phase Control or Full Band Phase Control is switched on.

8 Sound processing indicators
Light according to the active Audio parameter(s) and/or ANALOG ATT.

9 V.SB
Lights during Virtual surround back processing.

10 TUNER indicators

TUNED – Lights when a broadcast is being received.

STEREO – Lights when a stereo FM broadcast is being received in auto stereo mode.

MONO – Lights when the mono mode is set using the **MPX** button.

11 SOUND
Lights when any of the Midnight, Loudness or tone controls feature is selected.

12 Master volume level
Shows the overall volume level. **–80dB** indicates the minimum level, and **+12dB** indicates the maximum level.

13 SR+
Lights when the SR+ mode is switched on.

14 STREAM DIRECT
Lights when Direct/Pure Direct is selected.

15 Speaker indicators
Lights to indicate the current speaker system, **A** and/or **B.**

16 Listening mode indicators

THX – Lights when one of the Home THX modes is selected.

ADV.SURROUND – Lights when one of the Advanced Surround modes has been selected.

STEREO – Lights when stereo listening is switched on.

STANDARD – Lights when one of the Standard Surround modes is switched on.

17 SLEEP
Lights when the receiver is in sleep mode.

18 Matrix decoding format indicators

□□PRO LOGIC IIx – This lights to indicate □□Pro Logic II / □□ Pro Logic IIx decoding.

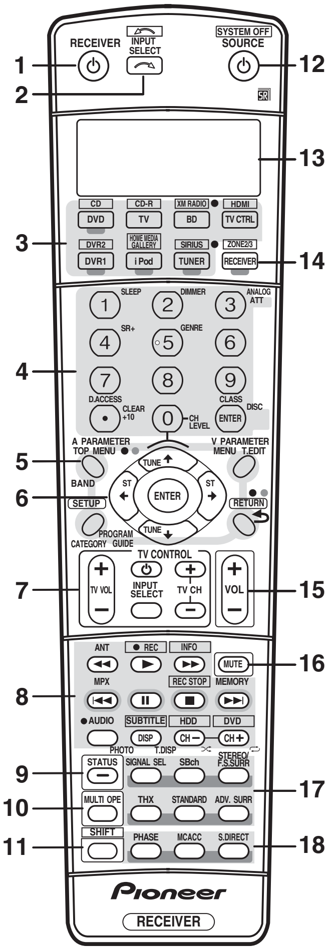
Neo:6 – When one of the Neo:6 modes of the receiver is on, this lights to indicate Neo:6 processing.

19 Character display
Displays various system information.

20 Input source indicators
Light to indicate the input source you have selected.

Remote Control

Illustration shows the VSX-94TXH remote control


RECEIVER
INPUT SELECT
SYSTEM OFF
SOURCE
CD
CD-R
XM RADIO
HDMI
DVD
TV
BD
TV CTRL
DVR2
HOME MEDIA GALLERY
SIRIUS
ZONE2/3
DVR1
i Pod
TUNER
RECEIVER
SLEEP
DIMMER
ANALOG ATT
SR+
GENRE
D.ACCESS
CLASS
CLEAR +10
CH LEVEL
DISC
ENTER
A PARAMETER
TOP MENU
V PARAMETER
MENU
T.EDIT
TUNE
BAND
ST
ENTER
SETUP
RETURN
PROGRAM CATEGORY
GUIDE
TV CONTROL
TV VOL
INPUT SELECT
TV CH
VOL
ANT
REC
INFO
MUTE
MPX
REC STOP
MEMORY
AUDIO
SUBTITLE
HDD
DVD
DISP
CH−
CH+
PHOTO
T.DISP
STATUS
SIGNAL SEL
SBch
STEREO/ F.S.SURR
MULTI OPE
THX
STANDARD
ADV. SURR
SHIFT
PHASE
MCACC
S.DIRECT
Pioneer
RECEIVER
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The remote has been conveniently color-coded according to component control using the following system (press the corresponding input source button to access):

- **Green** – Receiver controls (see below)
- **Red** – DVD controls
- **Blue** – Tuner, XM and SIRIUS Radio controls
- **Yellow** – iPod controls
- **White** – Other controls

1 RECEIVER⏻
This switches between standby and on for this receiver.

2 INPUT SELECT
Use to select the input source (use **SHIFT** for **INPUT SELECT**).

3 Input source buttons
Press to select control of other components.

4 Number buttons and other receiver/component controls
Use the number buttons to directly select a radio frequency or the tracks on a CD, DVD, etc.

DISC (ENTER) can be used to enter commands for TV or DTV, and also to select a disc in a multi-CD player.

Press **RECEIVER** first to access:

SLEEP – Use to put the receiver in sleep mode and select the amount of time before sleep.

DIMMER – Dims or brightens the display.

ANALOG ATT – Attenuates (lowers) the level of an analog input signal to prevent distortion.

SR+ – Switches the SR+ mode on/off.

GENRE – Automatically selects the most appropriate Advanced Surround mode for the genre of the source currently being played back (this feature is available only when a Pioneer DVD recorder supporting HDMI Control is connected to this receiver via HDMI).

CH LEVEL – Press repeatedly to select a channel, then use ⬅/➡ to adjust the level.

Press **TUNER** first to access:

D.ACCESS – After pressing, you can access a radio station directly using the number buttons.

CLASS – Switches between the three banks (classes) of radio station presets.

5 Tuner/component control buttons/SETUP
These button controls can be accessed after you have selected the corresponding input source button (**DVD**, **DVR1**,**TV**, etc.). Press **RECEIVER** first to access the following controls:

A PARAMETER – Use to access the Audio options.

V PARAMETER – Use to access the Video options.

SETUP – Use to access the System Setup menu.

RETURN – Press to confirm and exit the current menu screen (also use to return to the previous menu with DVDs or to select closed captioning with DTV).

6 ⬅➡⬇⬆ (TUNE/ST) /ENTER
Use the arrow buttons when setting up your surround sound system and the Audio or Video options. Also used to control DVD menus/options and for deck 1 of a double cassette deck player. Use the **TUNE⬆/⬇** buttons to find radio frequencies and use **ST⬅/➡** to find preset stations.

7 TV CONTROL buttons
These buttons are dedicated to control the TV assigned to the **TV CTRL** button. Thus if you only have one TV to hook up to this system assign it to the **TV CTRL** input source button. If you have two TVs, assign the main TV to the **TV CTRL** button.

TV⏻ – Use to turn on/off the power of the TV.

TV VOL +/– – Use to adjust the volume on your TV.

INPUT SELECT – Use to select the TV input signal.

TV CH +/– – Use to select channels.

8 Component control buttons
The main buttons (▶,■, etc.) are used to control a component after you have selected it using the input source buttons.

The controls above these buttons can be accessed after you have selected the corresponding input source button (for example **DVD**,**DVR1** or **TV**). The following controls can be accessed when listening to the built-in tuner:

MPX – Switches between stereo and mono reception of FM broadcasts. If the signal is weak then switching to mono will improve the sound quality.

DISP – Switches between named station presets and radio frequencies.

9 STATUS
Press to check selected receiver settings.

10 MULTI OPE
Use this button to perform multi operations.

11 SHIFT
Press to access the controls outlined in white boxes (for example, **INPUT SELECT**▭), or to display the currently selected input source in the remote control LCD.

12 SOURCE⏻
Press to turn on/off other components connected to the receiver.

13 Character display (LCD)
This display shows information when transmitting control signals.

The following commands are shown when you're setting the remote to control other components:

SETUP – Indicates the setup mode, from which you choose the options below.

PRESET

LEARNING

MULTI OP

SYS OFF

DIRECT F

RENAME

ERASE

RESET

READ ID

14 RECEIVER
Switches the remote to control the receiver (used to select the green commands above the number buttons (**ANALOG ATT**, etc.). Also use this button to set up surround sound. With **SHIFT**, this selects the MULTI-ZONE control, shown in the display as **RCV/Z2**,**RCV/Z3**.

15 VOL +/–
Use to set the listening volume.

16 MUTE
Mutes the sound or restores the sound if it has been muted (adjusting the volume also restores the sound).

17 Receiver controls
SIGNAL SEL – Use to select an input signal.

SBch – Use to select the surround/virtual back channel mode.

STEREO/F.S.SURR – Switches between the stereo playback mode and the Front Stage Surround Advance mode.

THX – Press to select a Home THX listening mode.

STANDARD – Press for Standard decoding and to switch between the various ᗡᗞ Pro Logic IIx and Neo:6 options.

ADV.SURR – Use to switch between the various surround modes.

18 PHASE – Press to switch on/off Phase Control or Full Band Phase Control.
MCACC – Press to switch between MCACC presets.

S.DIRECT – Press to select Auto Surround or Stream Direct listening.

3. BASIC ITEMS FOR SERVICE

3.1 CHECK POINTS AFTER SERVICING

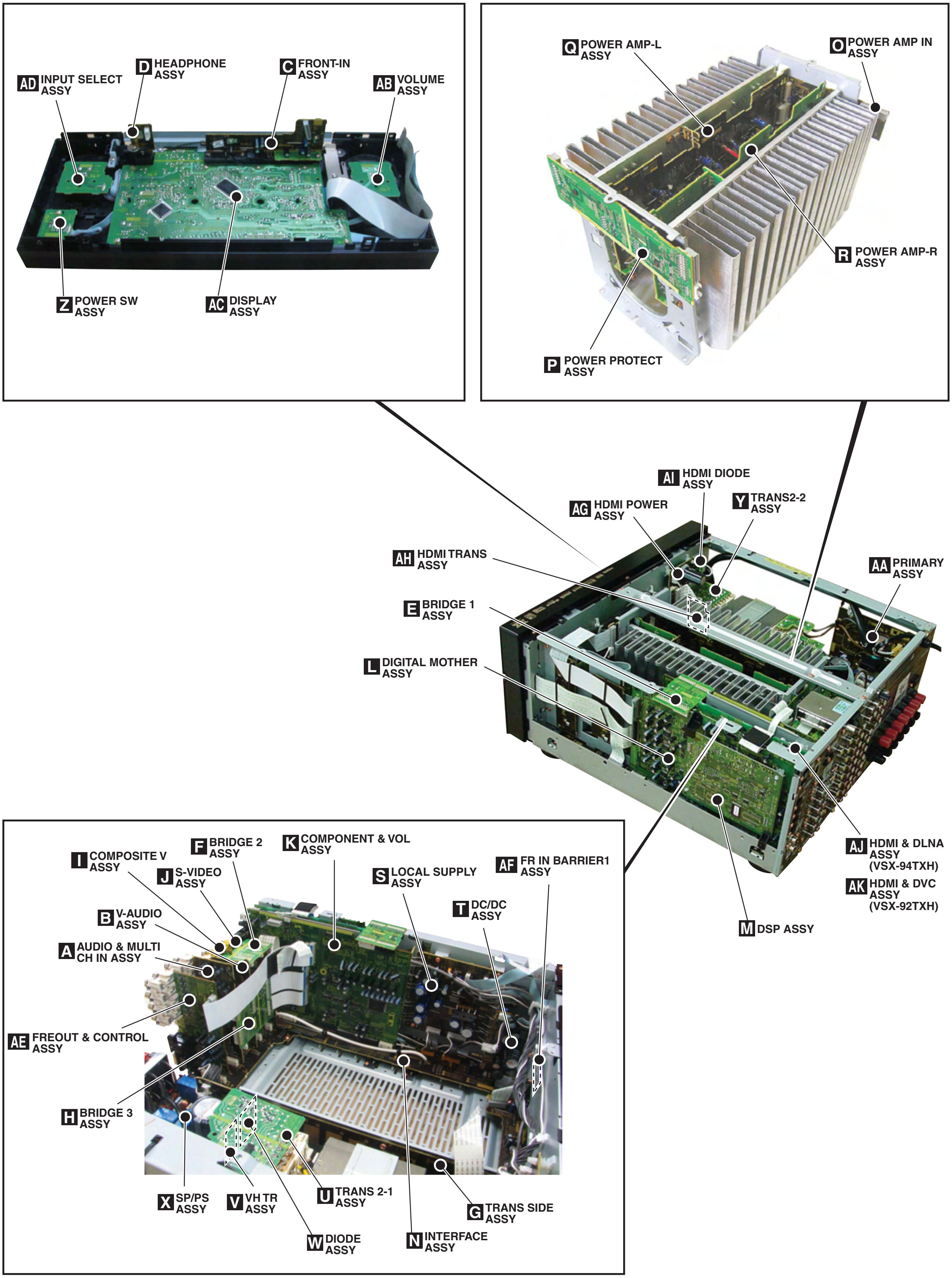
To keep the product quality after servicing, confirm recommended check points shown below.

No.	Procedure	Check points
1	Confirm whether the customer complain has been solved. If the customer complain occurs with the particular source, such as Dolby Digital, DTS, AAC, DVD-A and HDMI, input it for the operation check.	The customer complain must not be reappeared. Video, Audio and operations must be normal.
2	Check the analog audio playback. (Make the analog connections with a DVD player.)	Each channel audio and operations must be normal.
3	Check the digital audio playback. (Make the digital connections with a DVD player.)	Each channel audio and operations must be normal.
4	Check surround playback. (Select Surround mode and check the multichannel operations via the DSP circuit.)	Each channel audio and operations must be normal.
5	Check the video outputs. (Connect with a DVD player.)	Video and operations must be normal.
6	Check the sound from headphone output.	Sound must be normal, without noise.
7	Check the appearance of the product.	No scratches or dirt on its appearance after receiving it for service.

See the table below for the items to be checked regarding video and audio:

Items to be checked regarding video	Item to be checked regarding audio
Block noise	Distortion
Horizontal noise	Noise
Dot noise	Volume too low
Disturbed image (video jumpiness)	Volume too high
Too dark	Volume fluctuating
Too bright	Sound interrupted
Mottled color	

3.2 PCB LOCATIONS


AD INPUT SELECT ASSY
D HEADPHONE ASSY
C FRONT-IN ASSY
AB VOLUME ASSY
Z POWER SW ASSY
AC DISPLAY ASSY
Q POWER AMP-L ASSY
O POWER AMP IN ASSY
R POWER AMP-R ASSY
P POWER PROTECT ASSY
AI HDMI DIODE ASSY
AG HDMI POWER ASSY
Y TRANS2-2 ASSY
AH HDMI TRANS ASSY
AA PRIMARY ASSY
E BRIDGE 1 ASSY
L DIGITAL MOTHER ASSY
AJ HDMI & DLNA ASSY (VSX-94TXH)
AK HDMI & DVC ASSY (VSX-92TXH)
M DSP ASSY
I COMPOSITE V ASSY
F BRIDGE 2 ASSY
K COMPONENT & VOL ASSY
J S-VIDEO ASSY
S LOCAL SUPPLY ASSY
AF FR IN BARRIER1 ASSY
B V-AUDIO ASSY
T DC/DC ASSY
A AUDIO & MULTI CH IN ASSY
AE FREOUT & CONTROL ASSY
H BRIDGE 3 ASSY
X SP/PS ASSY
V VH TR ASSY
U TRANS 2-1 ASSY
G TRANS SIDE ASSY
W DIODE ASSY
N INTERFACE ASSY

NOTES: ● *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
● *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*

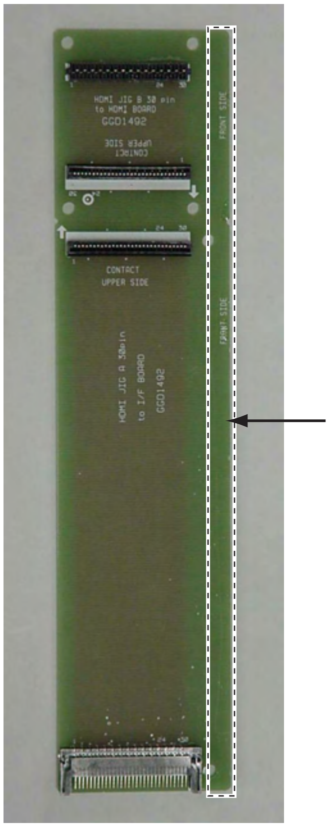
◆ LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-94TXH /KUXJ/CA	VSX-92TXH /KUXJ/CA
NSP	1..POWER AMP ASSY	AWH7011	AWH7011
	2..POWER AMP-L ASSY	AWX8654	AWX8654
	2..POWER AMP-R ASSY	AWX8656	AWX8656
	2..POWER PROTECT ASSY	AWX8658	AWX8658
	2..POWER AMP IN ASSY	AWX8662	AWX8662
NSP	1..COMPLEX ASSY	AWM8081	AWM8086
	2..TRANS 2-2 ASSY	AWX8891	AWX8891
	2..PRIMARY ASSY	AWX8894	AWX8894
NSP	2..FFC GUARD (FRONT) ASSY	AWX8899	AWX8899
	2..DISPLAY ASSY	AWX8900	AWX8900
	2..FRONT-IN ASSY	AWX8902	AWX8903
	2..HEADPHONE ASSY	AWX8905	AWX8905
	2..INPUT SELECT ASSY	AWX8906	AWX8906
	2..VOLUME ASSY	AWX8907	AWX8907
	2..POWER SW ASSY	AWX8908	AWX8908
	1..DIGITAL MOTHER ASSY	AWP7046	AWP7052
NSP	1..VIDEO ASSY	AWQ7051	AWQ7051
	2..COMPOSITE V ASSY	AWX8884	AWX8884
	2..S VIDEO ASSY	AWX8886	AWX8886
	2..PREOUT & CONTROL ASSY	AWX8888	AWX8888
NSP	2..FR IN BARRIER1 ASSY	AWX8948	AWX8948
	1..COMPONENT & VOL ASSY	AWQ7041	AWQ7046
NSP	1..SECONDARY ASSY	AWR7053	AWR7057
	2..SP/PS ASSY	AWX8909	AWX8911
	2..TRANS 2-1 ASSY	AWX8913	AWX8913
NSP	2..DIODE ASSY	AWX8915	AWX8915
	2..VH TR ASSY	AWX8916	AWX8916
	2..DC/DC ASSY	AWX8917	AWX8918
	2..INTERFACE ASSY	AWX8919	AWX8919
NSP	2..TRANS SIDE ASSY	AWX8921	AWX8921
NSP	1..AUDIO ASSY	AWR7061	AWR7061
	2..LOCAL SUPPLY ASSY	AWX8923	AWX8923
	2..AUDIO & MULTI CH IN ASSY	AWX8926	AWX8926
	2..V-AUDIO ASSY	AWX8930	AWX8930
NSP	2..HDMI POWER ASSY	AWX8933	AWX8933
NSP	2..BRIDGE 1 ASSY	AWX8934	AWX8934
NSP	2..BRIDGE 2 ASSY	AWX8935	AWX8935
NSP	2..BRIDGE 3 ASSY	AWX8936	AWX8936
NSP	2..FFC GUARD (SIDE) ASSY	AWX8937	AWX8937
	2..HDMI TRANS ASSY	AWX8939	AWX8939
	2..HDMI DIODE ASSY	AWX8940	AWX8940
	1..DSP ASSY	AWX8869	AWX8869
	1..HDMI & DLNA ASSY	AWX8870	Not used
	1..HDMI & DVC ASSY	Not used	AWX8871
	1..FM/AM TUNER MODULE	AXX7250	AXX7250

3.3 JIGS LIST

■ Jigs list

Name	Jig No.	Remarks
Audio control cable for iPod	XDE7025	Check of iPod
30pin board to board extension cable	GGD1492 (x2)	Diagnosis of HDMI & DLNA Assy

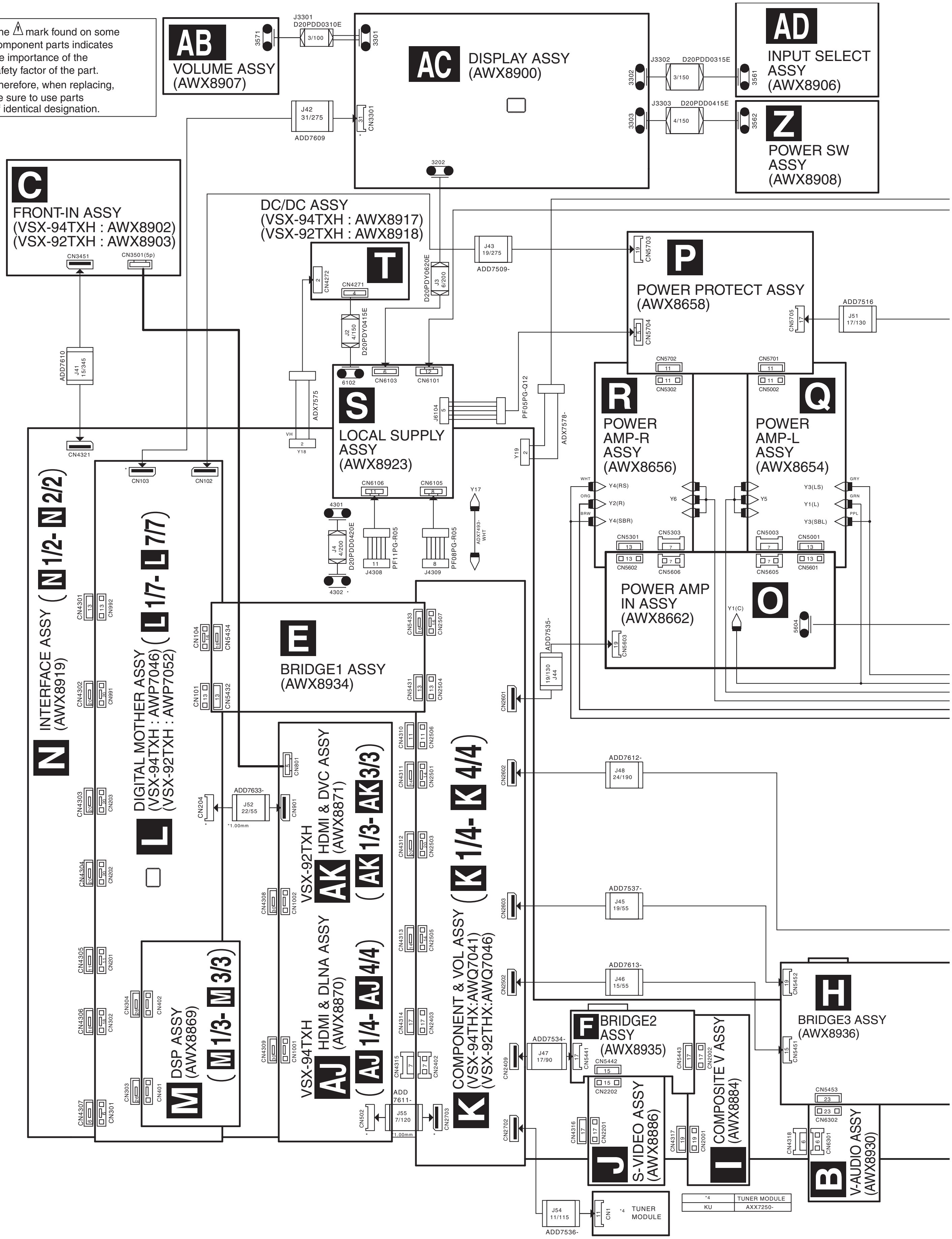

HDMI JIG B 30 pin
to HDMI BOARD
GGD1492
CONTACT
UPPER SIDE
CONTACT
UPPER SIDE
HDMI JIG A 30pin
to I/F BOARD
GGD1492
FRONT SIDE
FRONT SIDE

Before using GGD1492, it is necessary to cut this part.

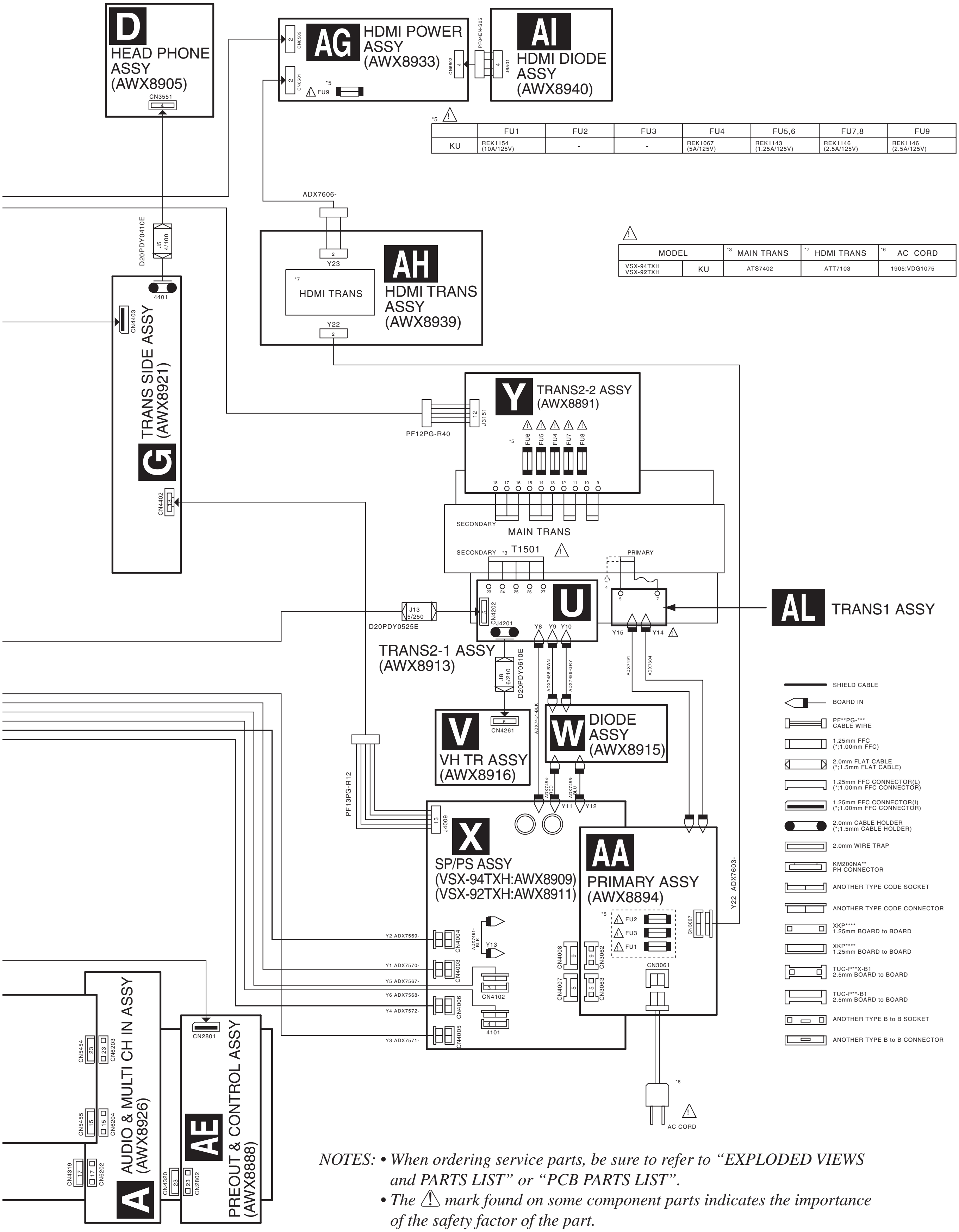
4. BLOCK DIAGRAM

4.1 OVERALL WIRING DIAGRAM

The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.


AB
VOLUME ASSY
(AWX8907)
3571
J3301
D20PDD0310E
3/100
3301
AC
DISPLAY ASSY
(AWX8900)
3302
J3302 D20PDD0315E
3/150
3561
AD
INPUT SELECT ASSY
(AWX8906)
3303
J3303 D20PDD0415E
4/150
3562
Z
POWER SW ASSY
(AWX8908)
J42
31/275
ADD7609
CN3301
3202
C
FRONT-IN ASSY
(VSX-94TXH : AWX8902)
(VSX-92TXH : AWX8903)
CN3451
CN3501(5p)
DC/DC ASSY
(VSX-94TXH : AWX8917)
(VSX-92TXH : AWX8918)
T
CN4272
CN4271
J2
4/150
D20PDY0415E
J3
6/200
D20PDY0620E
J43
19/275
ADD7509-
P
CN5703
POWER PROTECT ASSY
(AWX8658)
CN5704
CN5705
ADD7516
J51
17/130
CN5702
CN5701
CN5302
CN5002
ADD7610
J41
15/345
ADX7575
6102
CN6103
CN6101
S
LOCAL SUPPLY ASSY
(AWX8923)
J6104
PF05PG-Q12
ADX7578-
CN6106
CN6105
4301
J4
4/200
D20PDD0420E
4302
PF11PG-R05
J4308
PF08PG-R05
J4309
Y17
ADX7493-WHT
VH
Y18
Y19
R
POWER AMP-R ASSY
(AWX8656)
Y4(RS)
Y2(R)
Y4(SBR)
Y6
WHT
ORG
BRW
Q
POWER AMP-L ASSY
(AWX8654)
Y5
Y3(LS)
Y1(L)
Y3(SBL)
GRY
GRN
PPL
CN5301
CN5303
CN5003
CN5001
CN5602
CN5606
CN5605
CN5601
POWER AMP IN ASSY
(AWX8662)
O
Y1(C)
5604
ADD7535-
J44
19/130
CN5603
CN4321
N
INTERFACE ASSY
(AWX8919)
(N 1/2- N 2/2)
CN4301
CN4302
CN4303
CN4304
CN4305
CN4306
CN4307
CN103
CN102
L
DIGITAL MOTHER ASSY
(VSX-94TXH : AWP7046)
(VSX-92TXH : AWP7052)
(L 1/7- L 7/7)
CN992
CN991
CN203
CN202
CN201
CN302
CN301
CN104
CN101
CN5434
CN5432
E
BRIDGE1 ASSY
(AWX8934)
CN5433
CN5431
CN2507
CN2504
CN204
ADD7633-
J52
22/55
*1.00mm
CN901
CN801
M
DSP ASSY
(AWX8869)
(M 1/3- M 3/3)
CN304
CN402
CN303
CN401
VSX-92TXH
AK
HDMI & DVC ASSY
(AWX8871)
(AK 1/3- AK 3/3)
VSX-94TXH
AJ
HDMI & DLNA ASSY
(AWX8870)
(AJ 1/4- AJ 4/4)
CN4308
CN1002
CN4309
CN1001
CN4310
CN4311
CN4312
CN4313
CN4314
CN4315
CN2506
CN2501
CN2503
CN2505
CN2403
CN2402
CN502
ADD7611-
J55
7/120
1.00mm
CN2703
K
COMPONENT & VOL ASSY
(VSX-94THX:AWQ7041)
(VSX-92THX:AWQ7046)
(K 1/4- K 4/4)
CN2601
CN2602
CN2603
CN2502
CN2409
CN2702
ADD7612-
J48
24/190
ADD7537-
J45
19/55
ADD7613-
J46
15/55
ADD7534-
J47
17/90
F
BRIDGE2 ASSY
(AWX8935)
CN5441
CN5442
CN5443
CN2202
CN4316
CN2201
J
S-VIDEO ASSY
(AWX8886)
CN2002
CN4317
CN2001
I
COMPOSITE V ASSY
(AWX8884)
H
BRIDGE3 ASSY
(AWX8936)
CN5452
CN5451
CN5453
CN6302
CN4318
CN6301
B
V-AUDIO ASSY
(AWX8930)
J54
11/115
ADD7536-
CN1
*4
TUNER MODULE

*4	TUNER MODULE
KU	AXX7250-


D
HEAD PHONE ASSY (AWX8905)
CN3551
4
AG
HDMI POWER ASSY (AWX8933)
CN6502
2
CN6501
2
*5
FU9
CN6503
4
PF04EN-S05
J6501
4
AI
HDMI DIODE ASSY (AWX8940)
ADX7606-
2
Y23
*7
HDMI TRANS
Y22
2
AH
HDMI TRANS ASSY (AWX8939)
D20PDY0410E
J5 4/100
4401
CN4403
G
TRANS SIDE ASSY (AWX8921)
CN4402
13
Y
TRANS2-2 ASSY (AWX8891)
PF12PG-R40
12
J3151
*5
FU6
FU5
FU4
FU7
FU8
18 17 16 15 14 13 12 11 10 9
SECONDARY
MAIN TRANS
SECONDARY *3
T1501
PRIMARY
4
5 7
23 24 25 26 27
U
CN4202
5
J4201
J13 5/250
D20PDY0525E
Y8 Y9 Y10
Y15 Y14
AL
TRANS1 ASSY
TRANS2-1 ASSY (AWX8913)
J8 6/210
D20PDY0610E
ADX7451-BLK
ADX7488-BWN
ADX7489-GRY
ADX7491
ADX7604
V
6
CN4261
VH TR ASSY (AWX8916)
W
DIODE ASSY (AWX8915)
ADX7454-RED
ADX7455-BLU
Y11 Y12
PF13PG-R12
13
J4009
X
SP/PS ASSY (VSX-94TXH:AWX8909) (VSX-92TXH:AWX8911)
Y2 ADX7569-
Y1 ADX7570-
Y5 ADX7567-
Y6 ADX7568-
Y4 ADX7572-
Y3 ADX7571-
CN4004
CN4003
CN4006
CN4005
ADX7461-BLK
Y13
3
CN4102
4
4101
CN4008
9
CN4007
5
CN3062
9
CN3063
5
AA
PRIMARY ASSY (AWX8894)
*5
FU2
FU3
FU1
CN3067
CN3061
Y22 ADX7603-
*6
AC CORD
CN5454
23
CN6203
23
CN5455
15
CN6204
15
CN4319
17
CN6202
17
A
AUDIO & MULTI CH IN ASSY (AWX8926)
CN2801
CN4320
23
CN2802
23
AE
PREOUT & CONTROL ASSY (AWX8888)
SHIELD CABLE
BOARD IN
PF**PG-*** CABLE WIRE
1.25mm FFC (*;1.00mm FFC)
2.0mm FLAT CABLE (*;1.5mm FLAT CABLE)
1.25mm FFC CONNECTOR(L) (*;1.00mm FFC CONNECTOR)
1.25mm FFC CONNECTOR(I) (*;1.00mm FFC CONNECTOR)
2.0mm CABLE HOLDER (*;1.5mm CABLE HOLDER)
2.0mm WIRE TRAP
KM200NA** PH CONNECTOR
ANOTHER TYPE CODE SOCKET
ANOTHER TYPE CODE CONNECTOR
XKP**** 1.25mm BOARD to BOARD
XKP**** 1.25mm BOARD to BOARD
TUC-P**X-B1 2.5mm BOARD to BOARD
TUC-P**-B1 2.5mm BOARD to BOARD
ANOTHER TYPE B to B SOCKET
ANOTHER TYPE B to B CONNECTOR

*5 ⚠

	FU1	FU2	FU3	FU4	FU5,6	FU7,8	FU9
KU	REK1154 (10A/125V)	-	-	REK1067 (5A/125V)	REK1143 (1.25A/125V)	REK1146 (2.5A/125V)	REK1146 (2.5A/125V)

⚠

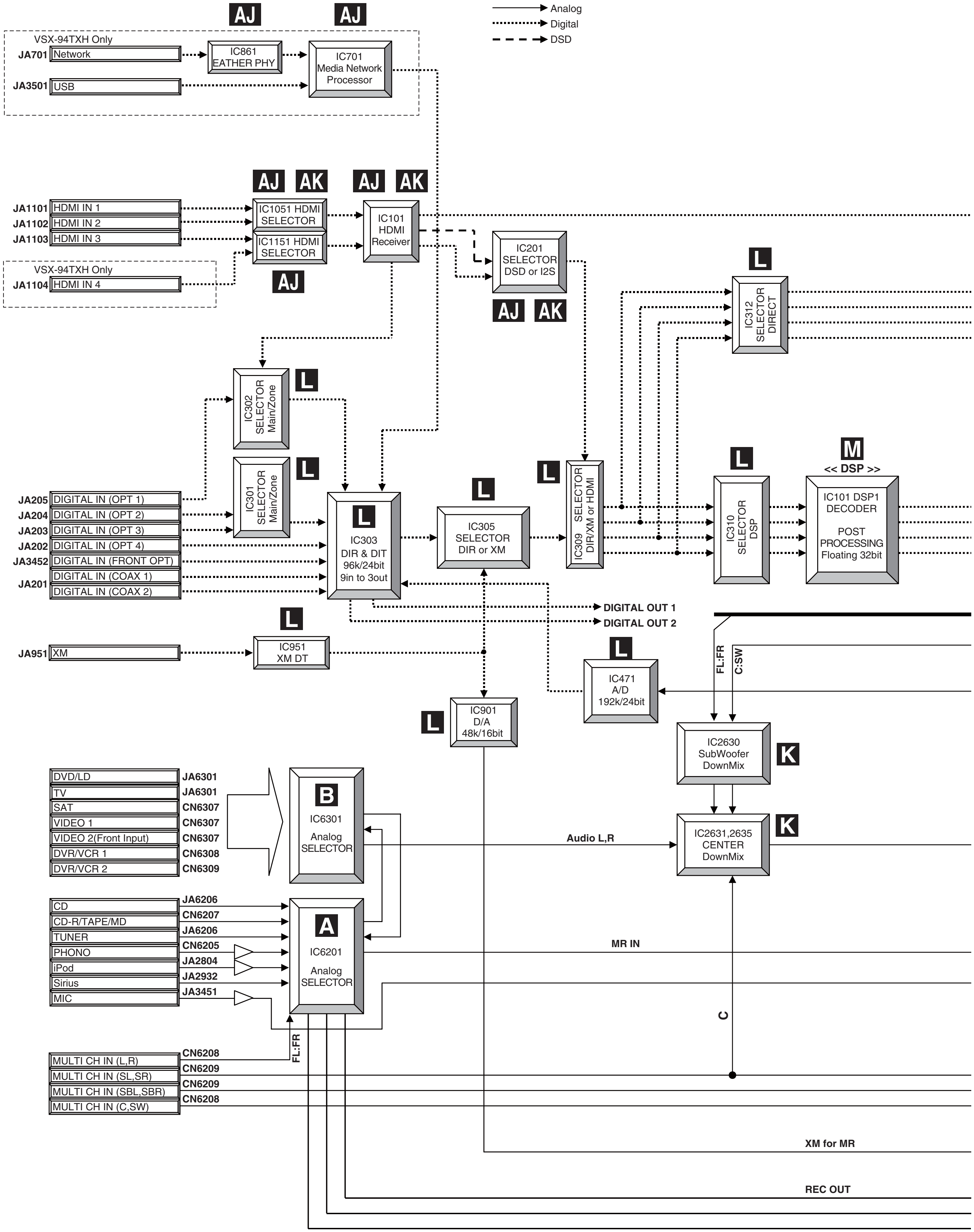
MODEL		*3 MAIN TRANS	*7 HDMI TRANS	*6 AC CORD
VSX-94TXH VSX-92TXH	KU	ATS7402	ATT7103	1905:VDG1075

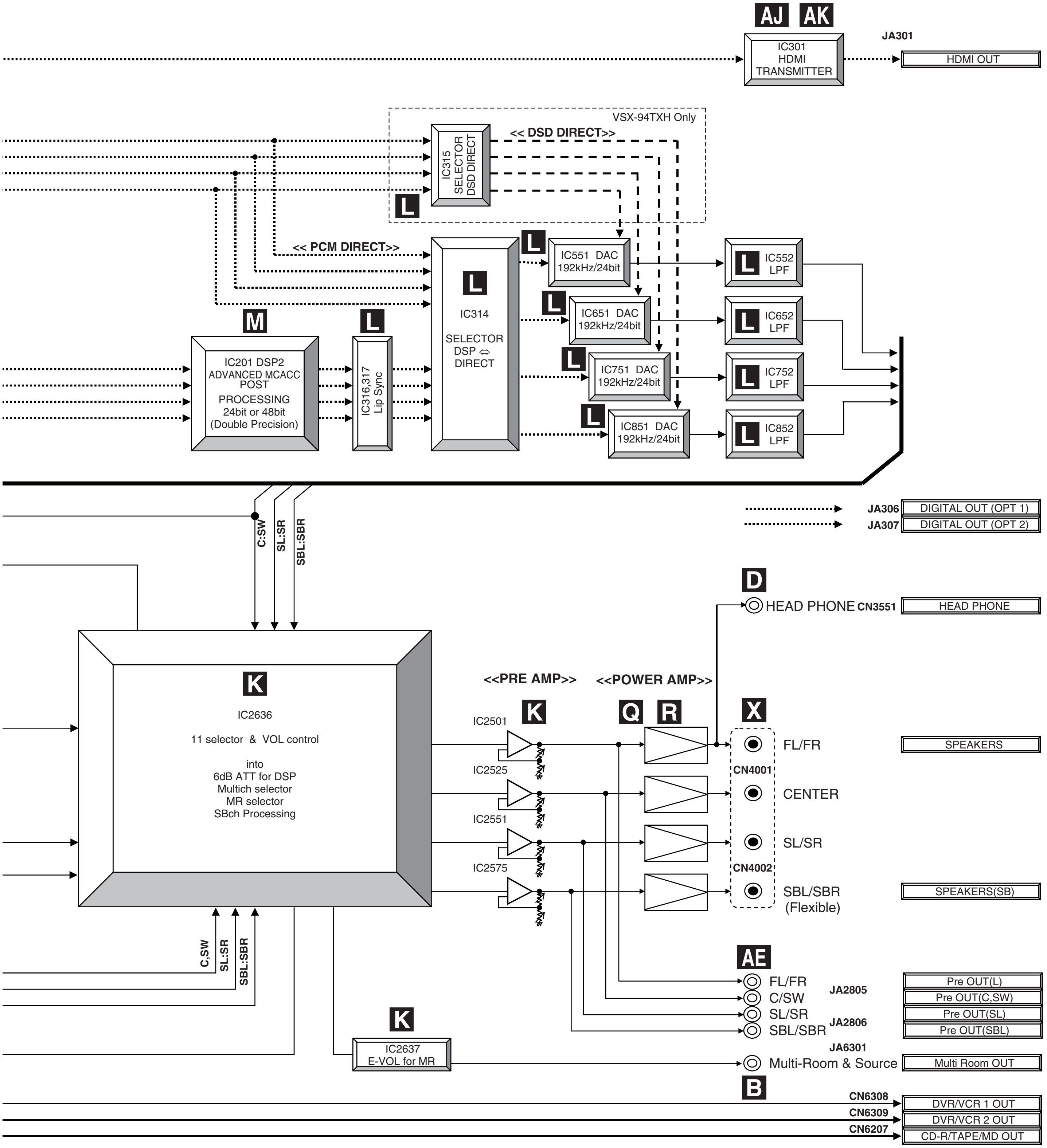
NOTES: • When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST".

• The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.

• ⬭ : The power supply is shown with the marked box.

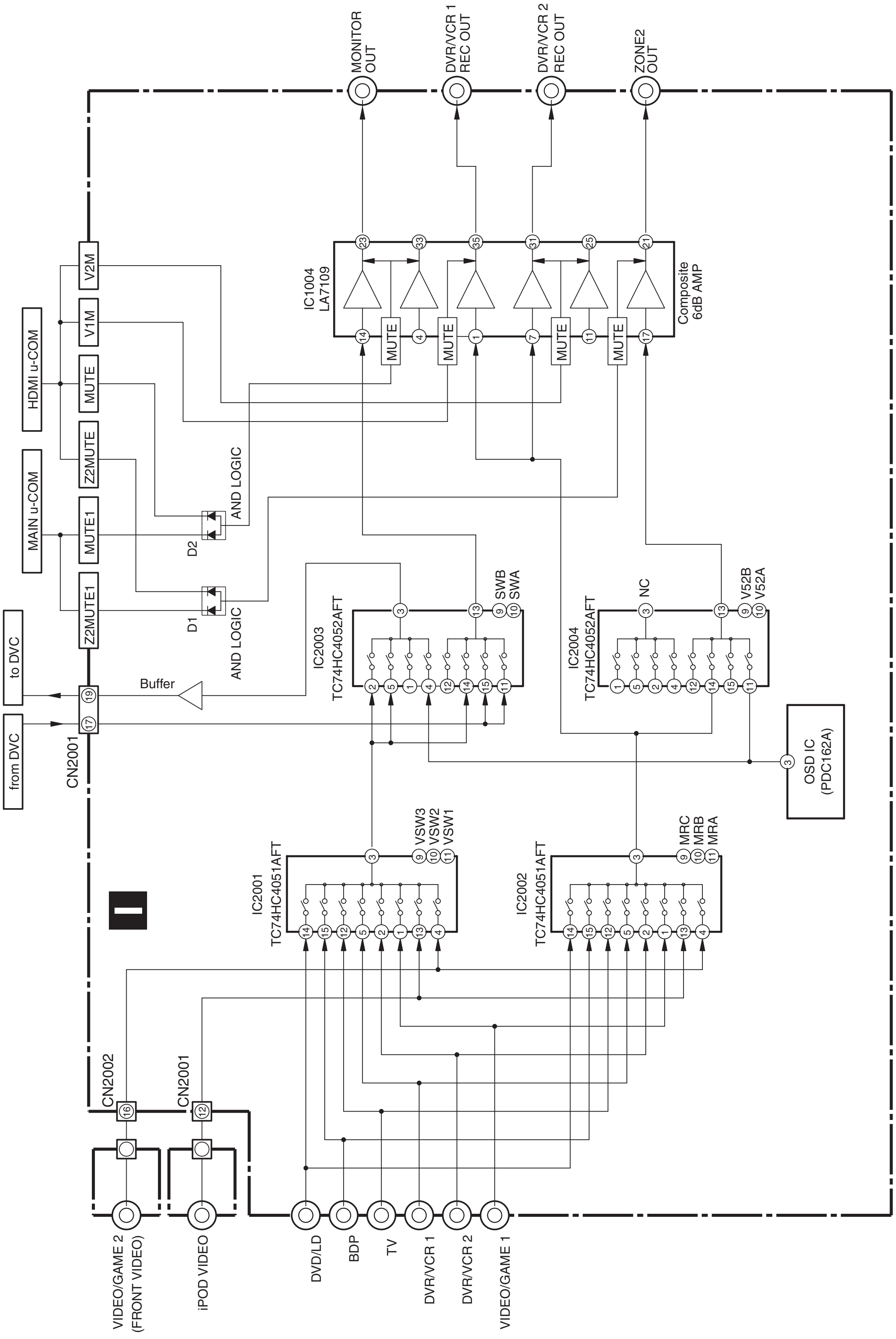
4.2 AUDIO BLOCK DIAGRAM


Analog
Digital
DSD
AJ
AJ
VSX-94TXH Only
JA701 Network
IC861 EATHER PHY
IC701 Media Network Processor
JA3501 USB
AJ AK
AJ AK
JA1101 HDMI IN 1
JA1102 HDMI IN 2
JA1103 HDMI IN 3
IC1051 HDMI SELECTOR
IC1151 HDMI SELECTOR
AJ
VSX-94TXH Only
JA1104 HDMI IN 4
IC101 HDMI Receiver
IC201 SELECTOR DSD or I2S
AJ AK
L
IC312 SELECTOR DIRECT
IC302 SELECTOR Main/Zone
L
IC301 SELECTOR Main/Zone
L
JA205 DIGITAL IN (OPT 1)
JA204 DIGITAL IN (OPT 2)
JA203 DIGITAL IN (OPT 3)
JA202 DIGITAL IN (OPT 4)
JA3452 DIGITAL IN (FRONT OPT)
JA201 DIGITAL IN (COAX 1)
DIGITAL IN (COAX 2)
L
IC303 DIR & DIT 96k/24bit 9in to 3out
L
IC305 SELECTOR DIR or XM
L
IC309 SELECTOR DIR/XM or HDMI
L
IC310 SELECTOR DSP
M
<< DSP >>
IC101 DSP1 DECODER POST PROCESSING Floating 32bit
DIGITAL OUT 1
DIGITAL OUT 2
L
JA951 XM
IC951 XM DT
L
IC471 A/D 192k/24bit
FL:FR
C:SW
L
IC901 D/A 48k/16bit
IC2630 SubWoofer DownMix
K
DVD/LD JA6301
TV JA6301
SAT CN6307
VIDEO 1 CN6307
VIDEO 2(Front Input) CN6307
DVR/VCR 1 CN6308
DVR/VCR 2 CN6309
B
IC6301 Analog SELECTOR
Audio L,R
IC2631,2635 CENTER DownMix
K
CD JA6206
CD-R/TAPE/MD CN6207
TUNER JA6206
PHONO CN6205
iPod JA2804
Sirius JA2932
MIC JA3451
A
IC6201 Analog SELECTOR
MR IN
C
FL:FR
MULTI CH IN (L,R) CN6208
MULTI CH IN (SL,SR) CN6209
MULTI CH IN (SBL,SBR) CN6209
MULTI CH IN (C,SW) CN6208
XM for MR
REC OUT

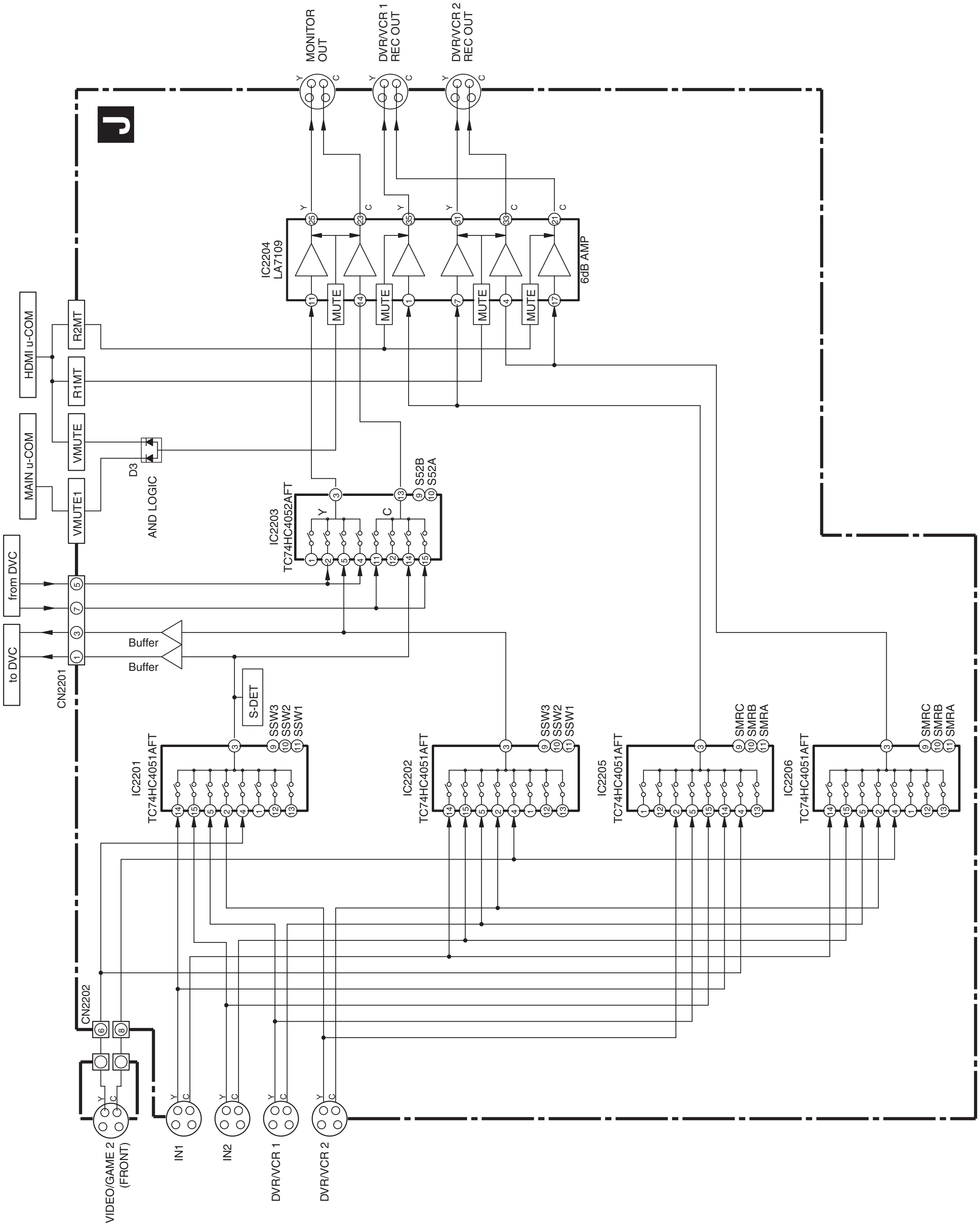


AJ
AK
IC301
HDMI
TRANSMITTER
JA301
HDMI OUT
VSX-94TXH Only
<< DSD DIRECT>>
IC315
SELECTOR
DSD DIRECT
L
<< PCM DIRECT>>
L
IC314
SELECTOR
DSP ⇔
DIRECT
L
IC551 DAC
192kHz/24bit
L
IC651 DAC
192kHz/24bit
L
IC751 DAC
192kHz/24bit
L
IC851 DAC
192kHz/24bit
L
IC552
LPF
L
IC652
LPF
L
IC752
LPF
L
IC852
LPF
M
IC201 DSP2
ADVANCED MCACC
POST
PROCESSING
24bit or 48bit
(Double Precision)
L
IC316,317
Lip Sync
JA306
DIGITAL OUT (OPT 1)
JA307
DIGITAL OUT (OPT 2)
C:SW
SL:SR
SBL:SBR
D
HEAD PHONE
CN3551
HEAD PHONE
K
IC2636
11 selector & VOL control
into
6dB ATT for DSP
Multich selector
MR selector
SBch Processing
<<PRE AMP>>
<<POWER AMP>>
K
Q
R
X
IC2501
IC2525
IC2551
IC2575
FL/FR
CN4001
CENTER
SL/SR
CN4002
SBL/SBR
(Flexible)
SPEAKERS
SPEAKERS(SB)
C,SW
SL:SR
SBL:SBR
AE
FL/FR
C/SW
SL/SR
SBL/SBR
JA2805
JA2806
Pre OUT(L)
Pre OUT(C,SW)
Pre OUT(SL)
Pre OUT(SBL)
K
IC2637
E-VOL for MR
JA6301
Multi-Room & Source
Multi Room OUT
B
CN6308
DVR/VCR 1 OUT
CN6309
DVR/VCR 2 OUT
CN6207
CD-R/TAPE/MD OUT

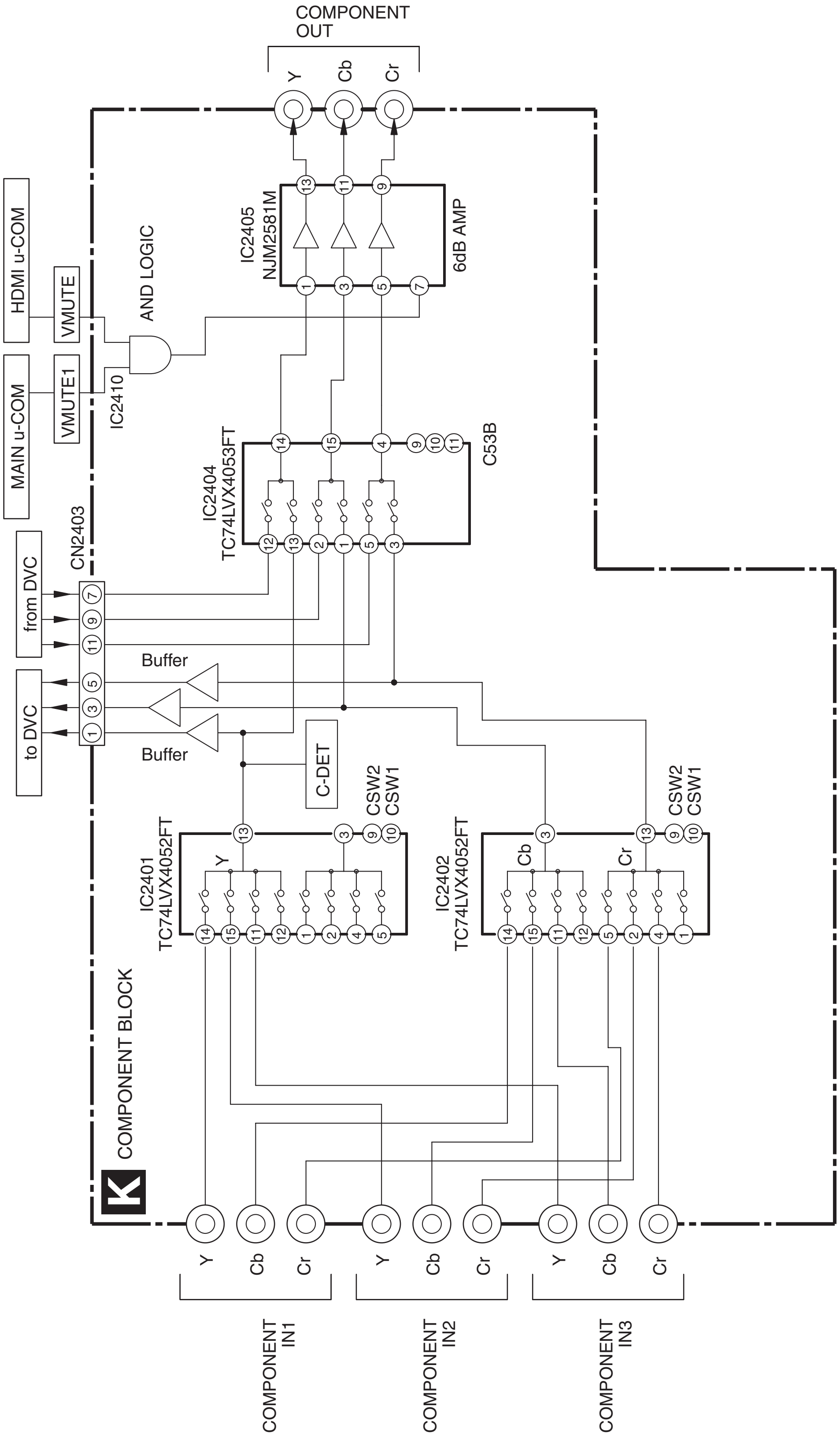
4.3 COMPOSITE V BLOCK DIAGRAM


MONITOR OUT
DVR/VCR 1 REC OUT
DVR/VCR 2 REC OUT
ZONE2 OUT
IC1004
LA7109
Composite 6dB AMP
MUTE
23
33
35
31
25
21
14
4
1
7
11
17
HDMI u-COM
MAIN u-COM
V2M
V1M
MUTE
Z2MUTE
MUTE1
Z2MUTE1
AND LOGIC
D2
D1
AND LOGIC
to DVC
from DVC
CN2001
19
17
Buffer
IC2003
TC74HC4052AFT
SWB
SWA
IC2004
TC74HC4052AFT
NC
V52B
V52A
OSD IC
(PDC162A)
IC2001
TC74HC4051AFT
VSW3
VSW2
VSW1
IC2002
TC74HC4051AFT
MRC
MRB
MRA
CN2002
16
CN2001
12
VIDEO/GAME 2
(FRONT VIDEO)
iPOD VIDEO
DVD/LD
BDP
TV
DVR/VCR 1
DVR/VCR 2
VIDEO/GAME 1

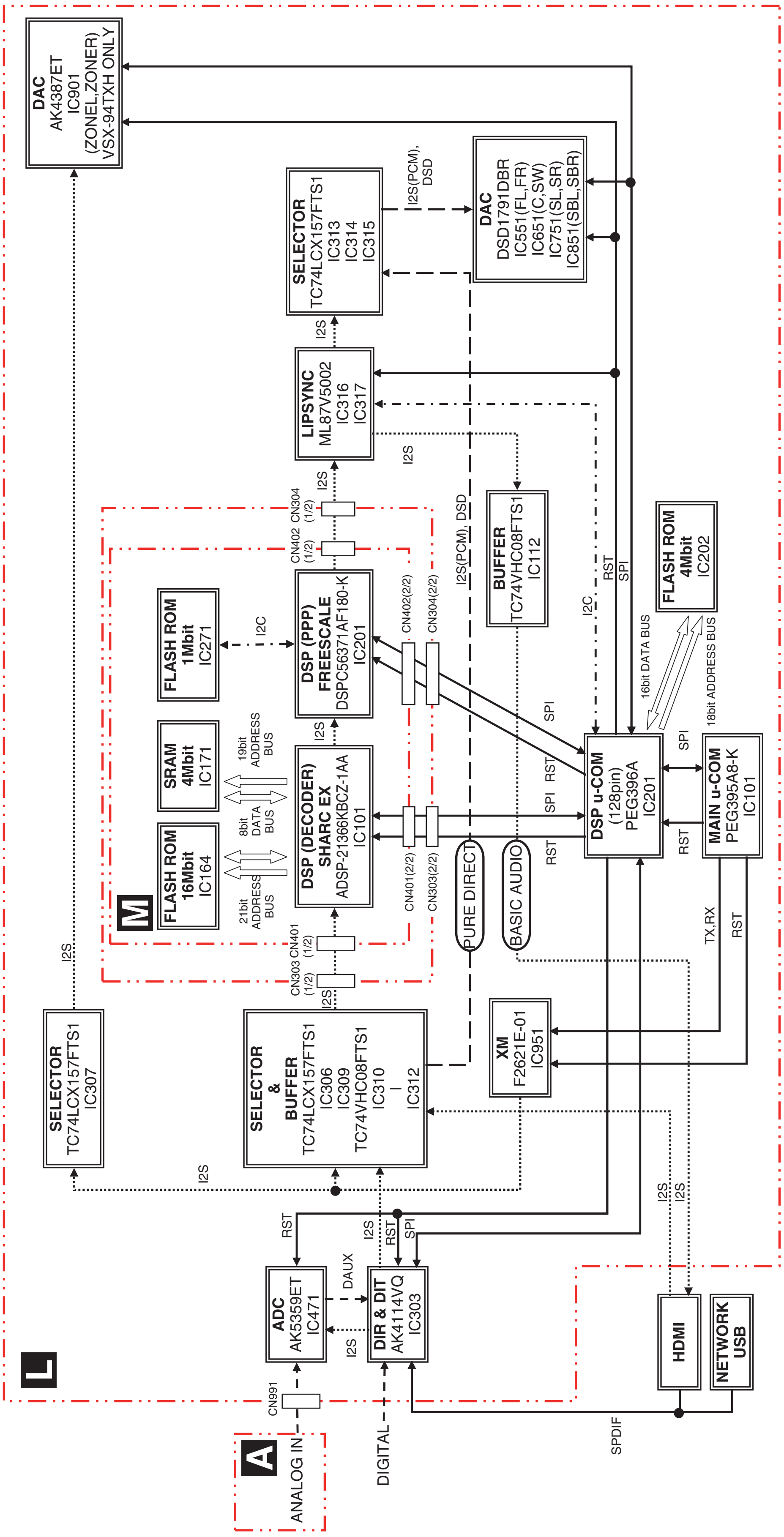
4.4 S-VIDEO BLOCK DIAGRAM


MONITOR OUT
DVR/VCR 1 REC OUT
DVR/VCR 2 REC OUT
Y
C
J
IC2204
LA7109
6dB AMP
25
23
35
31
33
21
11
14
1
7
4
17
MUTE
HDMI u-COM
R2MT
R1MT
MAIN u-COM
VMUTE
VMUTE1
D3
AND LOGIC
IC2203
TC74HC4052AFT
3
13
9
10
S52B
S52A
2
5
4
11
12
14
15
from DVC
to DVC
CN2201
Buffer
Buffer
S-DET
IC2201
TC74HC4051AFT
SSW3
SSW2
SSW1
IC2202
TC74HC4051AFT
SSW3
SSW2
SSW1
IC2205
TC74HC4051AFT
SMRC
SMRB
SMRA
IC2206
TC74HC4051AFT
SMRC
SMRB
SMRA
CN2202
6
8
VIDEO/GAME 2 (FRONT)
IN1
IN2
DVR/VCR 1
DVR/VCR 2

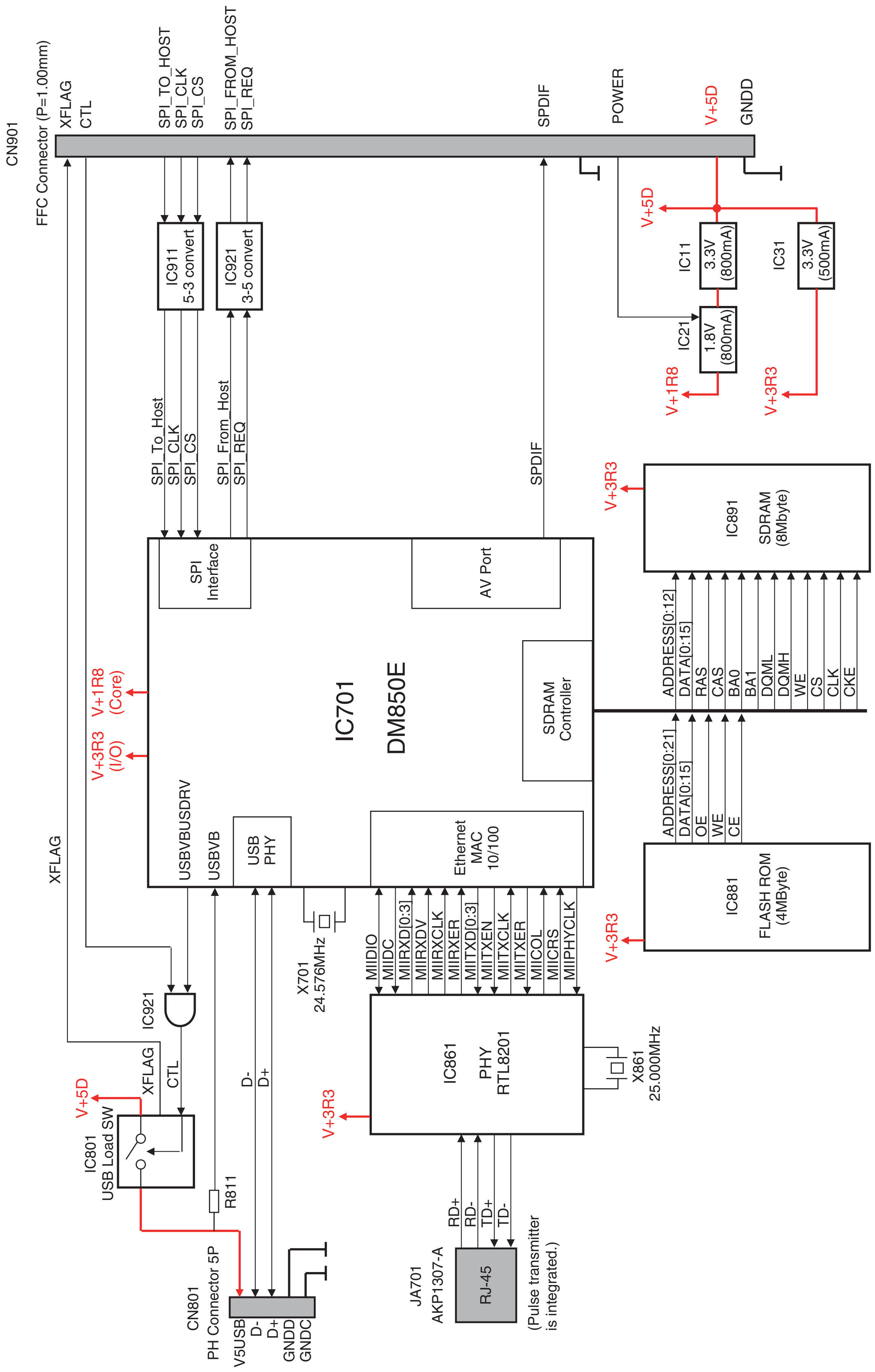
4.5 COMPONENT & VOL BLOCK DIAGRAM


COMPONENT OUT
Y
Cb
Cr
13
11
9
IC2405
NJM2581M
1
3
5
7
6dB AMP
HDMI u-COM
VMUTE
MAIN u-COM
VMUTE1
AND LOGIC
IC2410
IC2404
TC74LVX4053FT
14
15
4
9
10
11
C53B
12
13
2
1
5
3
CN2403
from DVC
7
9
11
to DVC
5
3
1
Buffer
Buffer
C-DET
CSW2
CSW1
IC2401
TC74LVX4052FT
Y
13
3
9
10
14
15
11
12
1
2
4
5
IC2402
TC74LVX4052FT
Cb
3
Cr
13
9
10
CSW2
CSW1
14
15
11
12
5
2
4
1
COMPONENT BLOCK
K
Y
Cb
Cr
COMPONENT IN1
Y
Cb
Cr
COMPONENT IN2
Y
Cb
Cr
COMPONENT IN3

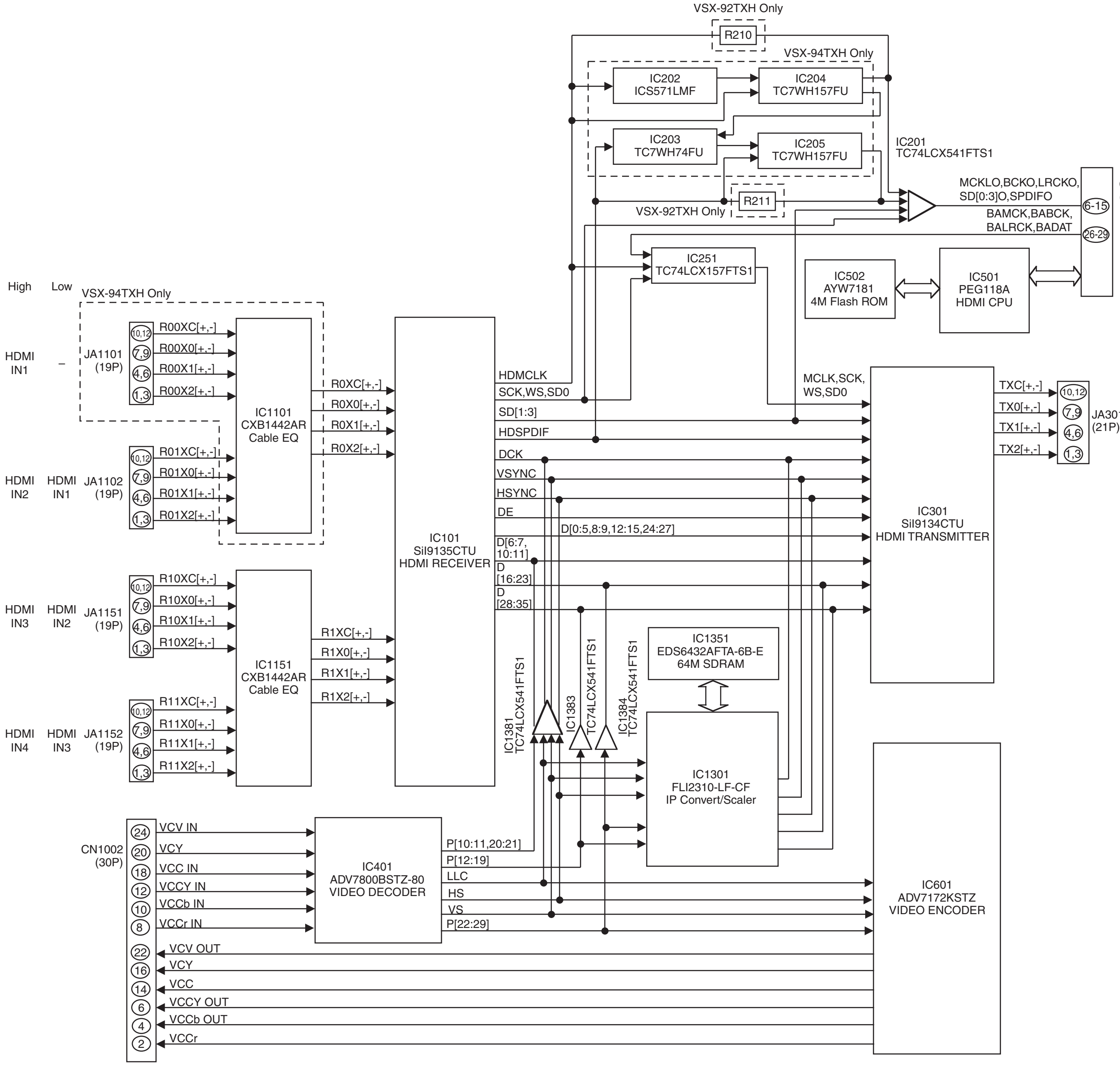
4.6 DSP BLOCK DIAGRAM


DAC
AK4387ET
IC901
(ZONEL,ZONER)
VSX-94TXH ONLY
SELECTOR
TC74LCX157FTS1
IC313
IC314
IC315
I2S(PCM), DSD
DAC
DSD1791DBR
IC551(FL,FR)
IC651(C,SW)
IC751(SL,SR)
IC851(SBL,SBR)
I2S
LIPSYNC
ML87V5002
IC316
IC317
I2S
I2S
CN304 (1/2)
CN402 (1/2)
I2S(PCM), DSD
BUFFER
TC74VHC08FTS1
IC112
RST
SPI
I2C
FLASH ROM
4Mbit
IC202
16bit DATA BUS
18bit ADDRESS BUS
FLASH ROM
1Mbit
IC271
I2C
DSP (PPP)
FREESCALE
DSPC56371AF180-K
IC201
CN402(2/2)
CN304(2/2)
SPI
SRAM
4Mbit
IC171
19bit ADDRESS BUS
I2S
DSP (DECODER)
SHARC EX
ADSP-21366KBCZ-1AA
IC101
SPI RST
SPI
DSP u-COM
(128pin)
PEG396A
IC201
SPI
MAIN u-COM
PEG395A8-K
IC101
FLASH ROM
16Mbit
IC164
8bit DATA BUS
21bit ADDRESS BUS
M
CN401(2/2)
CN303(2/2)
PURE DIRECT
BASIC AUDIO
RST
RST
TX,RX
RST
CN401 (1/2)
CN303 (1/2)
I2S
I2S
SELECTOR
TC74LCX157FTS1
IC307
SELECTOR
&
BUFFER
TC74LCX157FTS1
IC306
IC309
TC74VHC08FTS1
IC310
I
IC312
XM
F2621E-01
IC951
I2S
I2S
I2S
RST
I2S
RST
SPI
DAUX
ADC
AK5359ET
IC471
I2S
DIR & DIT
AK4114VQ
IC303
HDMI
NETWORK
USB
L
CN991
A
ANALOG IN
DIGITAL
SPDIF

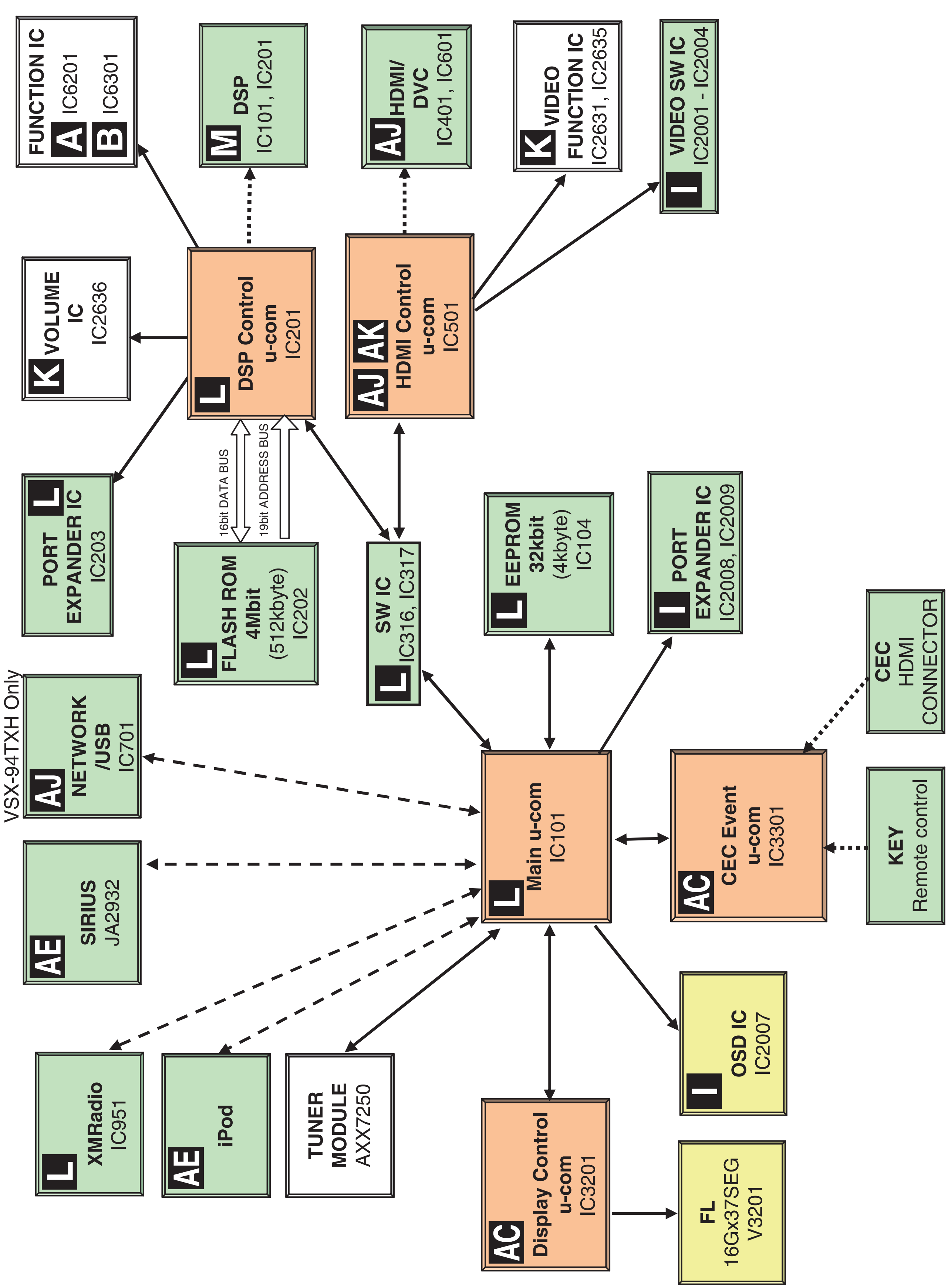
4.7 HDMI & DLNA BLOCK DIAGRAM (VSX-94TXH)


CN901
FFC Connector (P=1.00mm)
XFLAG
CTL
SPI_TO_HOST
SPI_CLK
SPI_CS
SPI_FROM_HOST
SPI_REQ
SPDIF
POWER
V+5D
GNDD
IC911
5-3 convert
IC921
3-5 convert
V+5D
IC11
3.3V
(800mA)
IC31
3.3V
(500mA)
IC21
1.8V
(800mA)
V+1R8
V+3R3
SPI_To_Host
SPI_CLK
SPI_CS
SPI_From_Host
SPI_REQ
SPDIF
V+3R3
IC891
SDRAM
(8Mbyte)
SPI
Interface
AV Port
IC701
DM850E
SDRAM
Controller
V+1R8
(Core)
V+3R3
(I/O)
ADDRESS[0:12]
DATA[0:15]
RAS
CAS
BA0
BA1
DQML
DQMH
WE
CS
CLK
CKE
ADDRESS[0:21]
DATA[0:15]
OE
WE
CE
USBVBUSDRV
USBVB
USB
PHY
Ethernet
MAC
10/100
XFLAG
IC881
FLASH ROM
(4MByte)
V+3R3
X701
24.576MHz
MIIDIO
MIIDC
MIIRXD[0:3]
MIIRXDV
MIIRXCLK
MIIRXER
MIITXD[0:3]
MIITXEN
MIITXCLK
MIITXER
MIICOL
MIICRS
MIIPHYCLK
IC921
XFLAG
CTL
D-
D+
IC861
PHY
RTL8201
X861
25.000MHz
V+3R3
V+5D
IC801
USB Load SW
R811
RD+
RD-
TD+
TD-
JA701
AKP1307-A
RJ-45
(Pulse transmitter
is integrated.)
CN801
PH Connector 5P
V5USB
D-
D+
GNDD
GNDC

4.8 HDMI & DVC BLOCK DIAGRAM


VSX-92TXH Only
R210
VSX-94TXH Only
IC202
ICS571LMF
IC204
TC7WH157FU
IC203
TC7WH74FU
IC205
TC7WH157FU
IC201
TC74LCX541FTS1
R211
VSX-92TXH Only
MCKLO,BCKO,LRCKO,
SD[0:3]O,SPDIFO
BAMCK,BABCK,
BALRCK,BADAT
CN1001
(30P)
6-15
26-29
IC251
TC74LCX157FTS1
IC502
AYW7181
4M Flash ROM
IC501
PEG118A
HDMI CPU
High
Low
VSX-94TXH Only
HDMI IN1
JA1101 (19P)
–
R00XC[+,-]
R00X0[+,-]
R00X1[+,-]
R00X2[+,-]
10,12
7,9
4,6
1,3
HDMI IN2
HDMI IN1
JA1102 (19P)
R01XC[+,-]
R01X0[+,-]
R01X1[+,-]
R01X2[+,-]
IC1101
CXB1442AR
Cable EQ
R0XC[+,-]
R0X0[+,-]
R0X1[+,-]
R0X2[+,-]
IC101
SiI9135CTU
HDMI RECEIVER
HDMCLK
SCK,WS,SD0
SD[1:3]
HDSPDIF
DCK
VSYNC
HSYNC
DE
D[0:5,8:9,12:15,24:27]
D[6:7, 10:11]
D [16:23]
D [28:35]
MCLK,SCK,
WS,SD0
IC301
SiI9134CTU
HDMI TRANSMITTER
TXC[+,-]
TX0[+,-]
TX1[+,-]
TX2[+,-]
JA301 (21P)
HDMI OUT
HDMI IN3
HDMI IN2
JA1151 (19P)
R10XC[+,-]
R10X0[+,-]
R10X1[+,-]
R10X2[+,-]
IC1151
CXB1442AR
Cable EQ
R1XC[+,-]
R1X0[+,-]
R1X1[+,-]
R1X2[+,-]
HDMI IN4
HDMI IN3
JA1152 (19P)
R11XC[+,-]
R11X0[+,-]
R11X1[+,-]
R11X2[+,-]
IC1351
EDS6432AFTA-6B-E
64M SDRAM
IC1381
TC74LCX541FTS1
IC1383
TC74LCX541FTS1
IC1384
TC74LCX541FTS1
IC1301
FLI2310-LF-CF
IP Convert/Scaler
CN1002 (30P)
24 VCV IN
20 VCY
18 VCC IN
12 VCCY IN
10 VCCb IN
8 VCCr IN
IC401
ADV7800BSTZ-80
VIDEO DECODER
P[10:11,20:21]
P[12:19]
LLC
HS
VS
P[22:29]
IC601
ADV7172KSTZ
VIDEO ENCODER
22 VCV OUT
16 VCY
14 VCC
6 VCCY OUT
4 VCCb OUT
2 VCCr

4.9 MICROCOMPUTER BLOCK DIAGRAM


A FUNCTION IC IC6201
B IC6301
M DSP IC101, IC201
AJ HDMI/ DVC IC401, IC601
K VIDEO FUNCTION IC IC2631, IC2635
I VIDEO SW IC IC2001 - IC2004
K VOLUME IC IC2636
L DSP Control u-com IC201
AJ AK HDMI Control u-com IC501
16bit DATA BUS
19bit ADDRESS BUS
L PORT EXPANDER IC IC203
L FLASH ROM 4Mbit (512kbyte) IC202
L SW IC IC316, IC317
L EEPROM 32kbit (4kbyte) IC104
I PORT EXPANDER IC IC2008, IC2009
CEC HDMI CONNECTOR
VSX-94TXH Only
AJ NETWORK /USB IC701
L Main u-com IC101
AC CEC Event u-com IC3301
KEY Remote control
AE SIRIUS JA2932
I OSD IC IC2007
L XMRadio IC951
AE iPod
TUNER MODULE AXX7250
AC Display Control u-com IC3201
FL 16Gx37SEG V3201

5. DIAGNOSIS

5.1 DIAGNOSIS FLOWCHART

5.1.1 DSP TROUBLESHOOTING

■ Unsophisticated Diagnosis

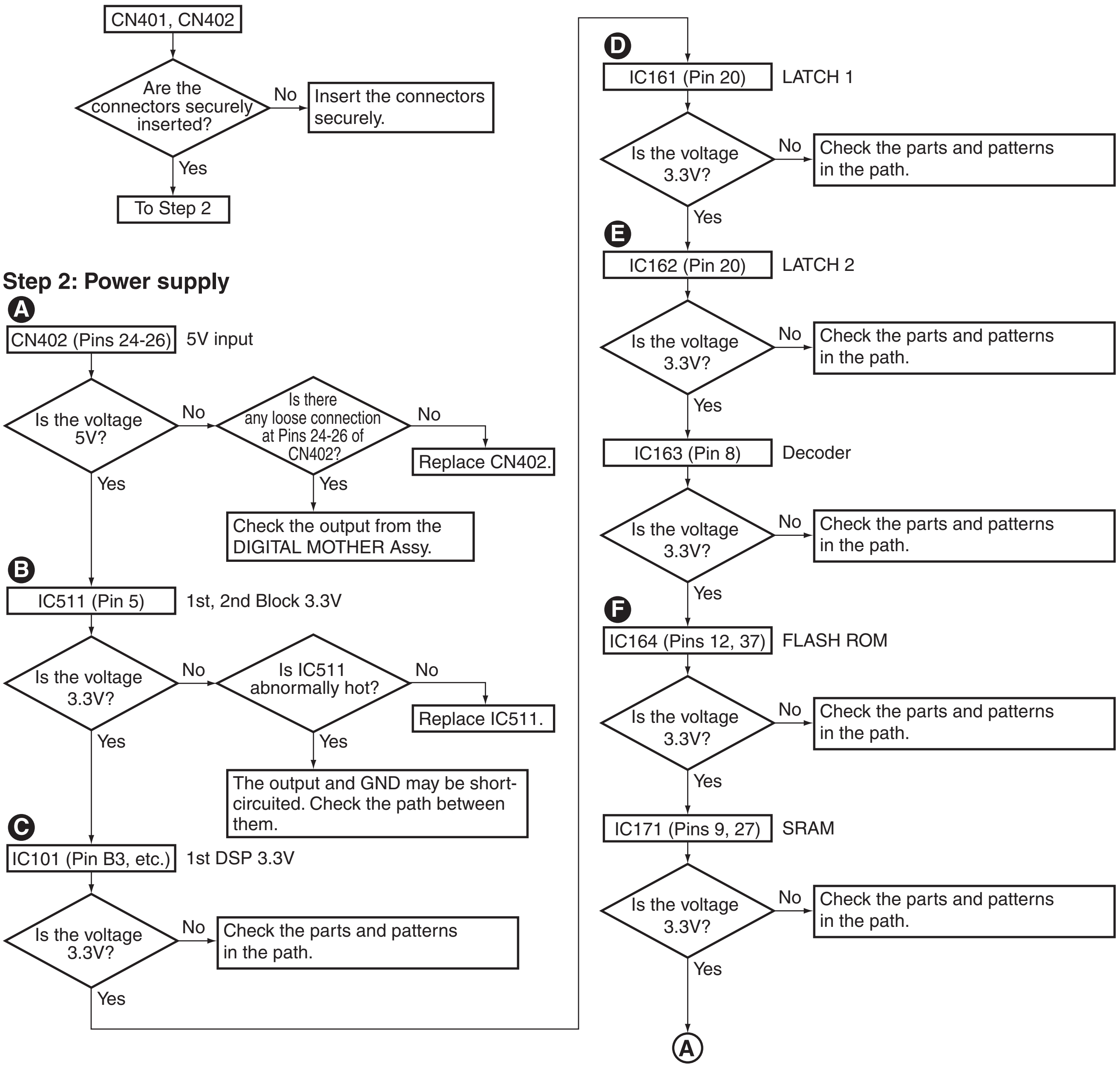
DSP Ass'y malfunction is detected
(The part can be roughly expected just by operation of the main unit.)

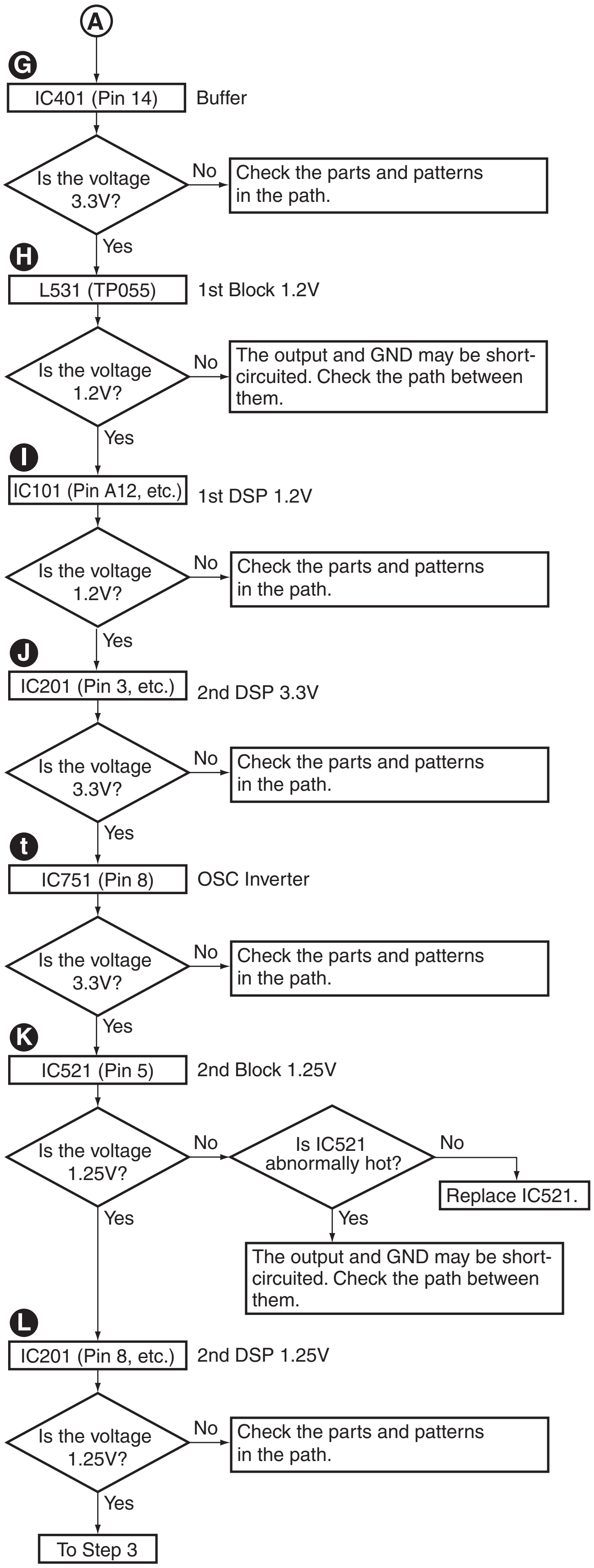
- **Has DSP Ass'y caused the malfunction?**
  Inputing a PCM (such as CD) digital signal, check if the sound plays by switching AUTO SURR / STREAM DIRECT. When the sound doesn't play in AUTO SURROUND or DIRECT MODE though it does in PURE DIRECT (PCM DIRECT) MODE, DSP Ass'y might be defective.

■ Troubleshooting

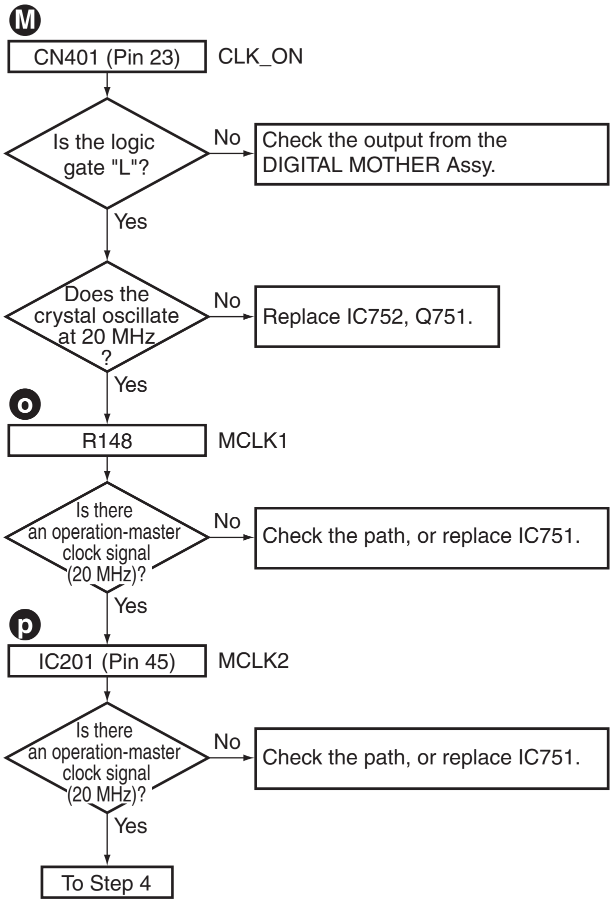
- It is assumed that there is no loose connection or damage in the LCRs.
- Refer to "DSP Block Diagram" and "DSP Assy check point" as the parts marked Ⓐ to ⒶⒻ in the troubleshooting are located.

Step 1: Connections

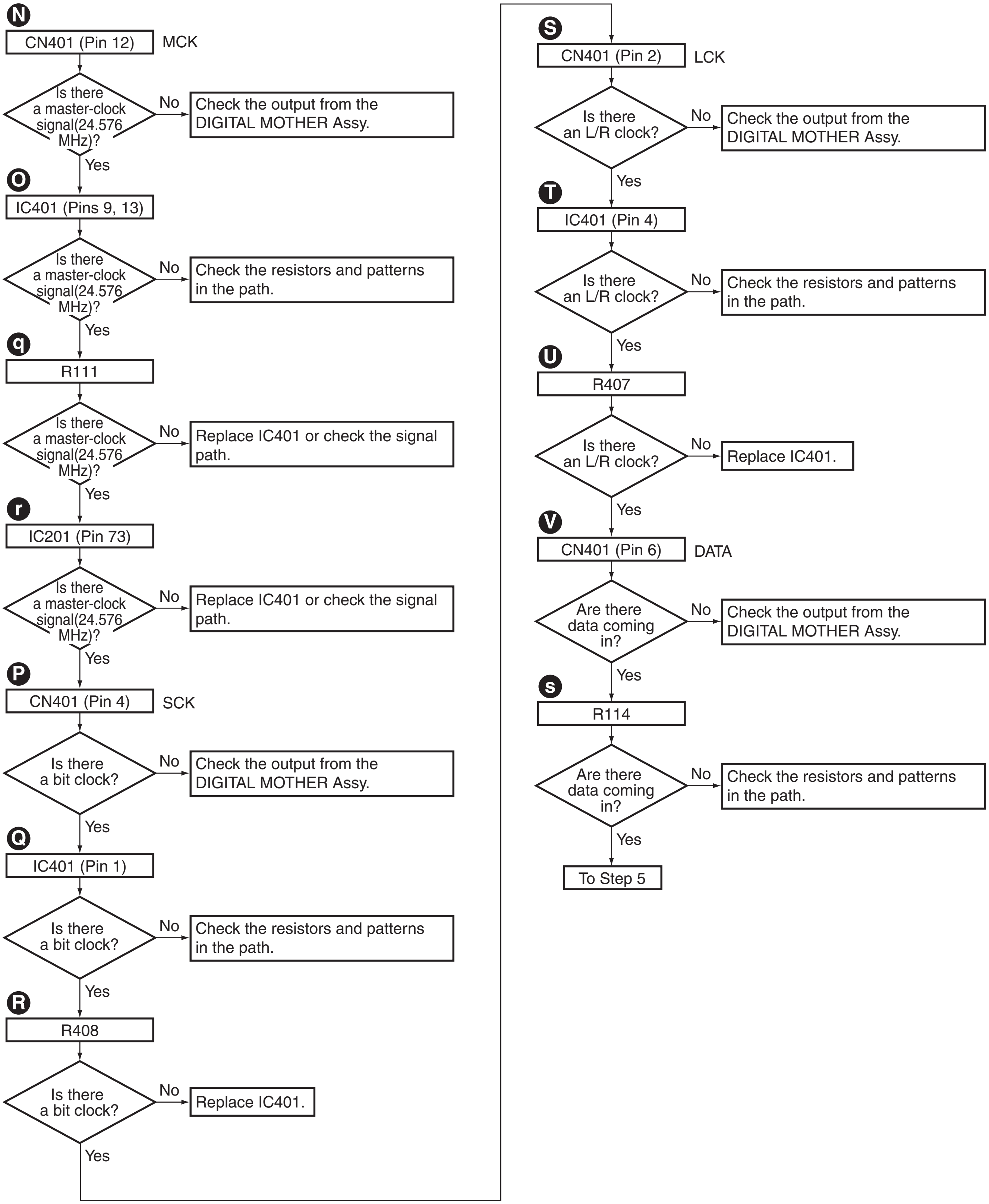

CN401, CN402
Are the connectors securely inserted?
No
Insert the connectors securely.
Yes
To Step 2
Step 2: Power supply
A
CN402 (Pins 24-26)
5V input
Is the voltage 5V?
No
Is there any loose connection at Pins 24-26 of CN402?
No
Replace CN402.
Yes
Check the output from the DIGITAL MOTHER Assy.
Yes
B
IC511 (Pin 5)
1st, 2nd Block 3.3V
Is the voltage 3.3V?
No
Is IC511 abnormally hot?
No
Replace IC511.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
C
IC101 (Pin B3, etc.)
1st DSP 3.3V
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
D
IC161 (Pin 20)
LATCH 1
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
E
IC162 (Pin 20)
LATCH 2
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
IC163 (Pin 8)
Decoder
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
F
IC164 (Pins 12, 37)
FLASH ROM
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
IC171 (Pins 9, 27)
SRAM
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
A


A
G
IC401 (Pin 14)
Buffer
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
H
L531 (TP055)
1st Block 1.2V
Is the voltage 1.2V?
No
The output and GND may be short-circuited. Check the path between them.
Yes
I
IC101 (Pin A12, etc.)
1st DSP 1.2V
Is the voltage 1.2V?
No
Check the parts and patterns in the path.
Yes
J
IC201 (Pin 3, etc.)
2nd DSP 3.3V
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
t
IC751 (Pin 8)
OSC Inverter
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
K
IC521 (Pin 5)
2nd Block 1.25V
Is the voltage 1.25V?
No
Is IC521 abnormally hot?
No
Replace IC521.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
L
IC201 (Pin 8, etc.)
2nd DSP 1.25V
Is the voltage 1.25V?
No
Check the parts and patterns in the path.
Yes
To Step 3

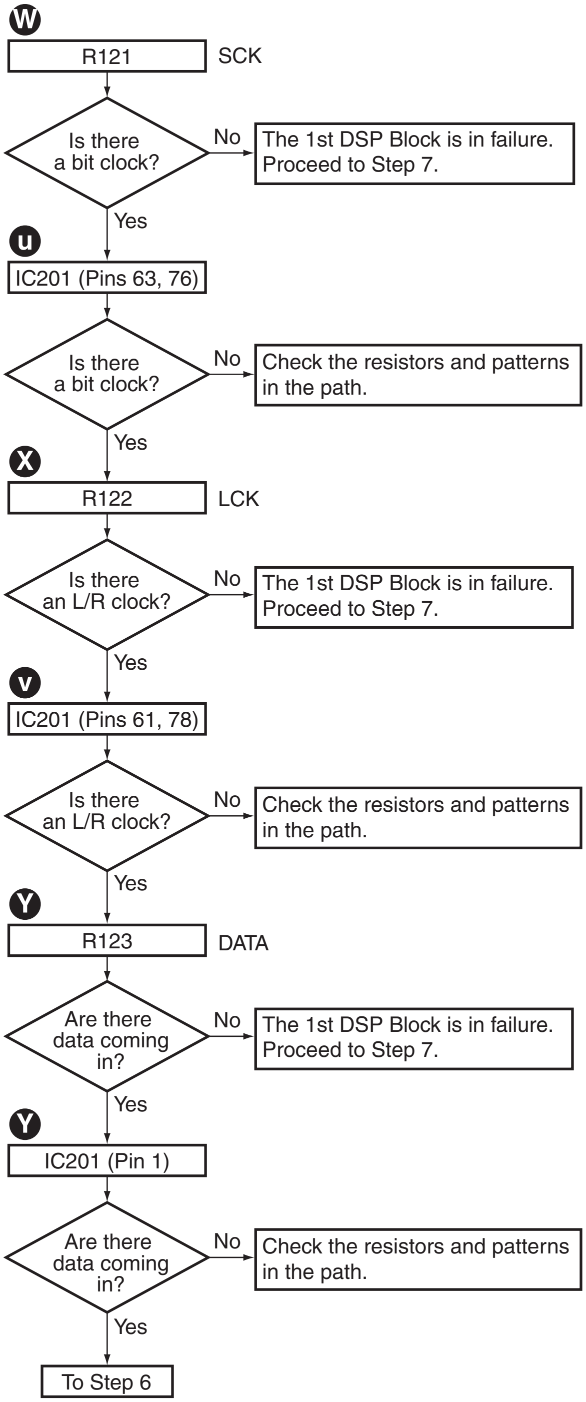
Step 3: Operation of the Master Clock


M
CN401 (Pin 23)
CLK_ON
Is the logic gate "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
Does the crystal oscillate at 20 MHz ?
No
Replace IC752, Q751.
Yes
o
R148
MCLK1
Is there an operation-master clock signal (20 MHz)?
No
Check the path, or replace IC751.
Yes
p
IC201 (Pin 45)
MCLK2
Is there an operation-master clock signal (20 MHz)?
No
Check the path, or replace IC751.
Yes
To Step 4

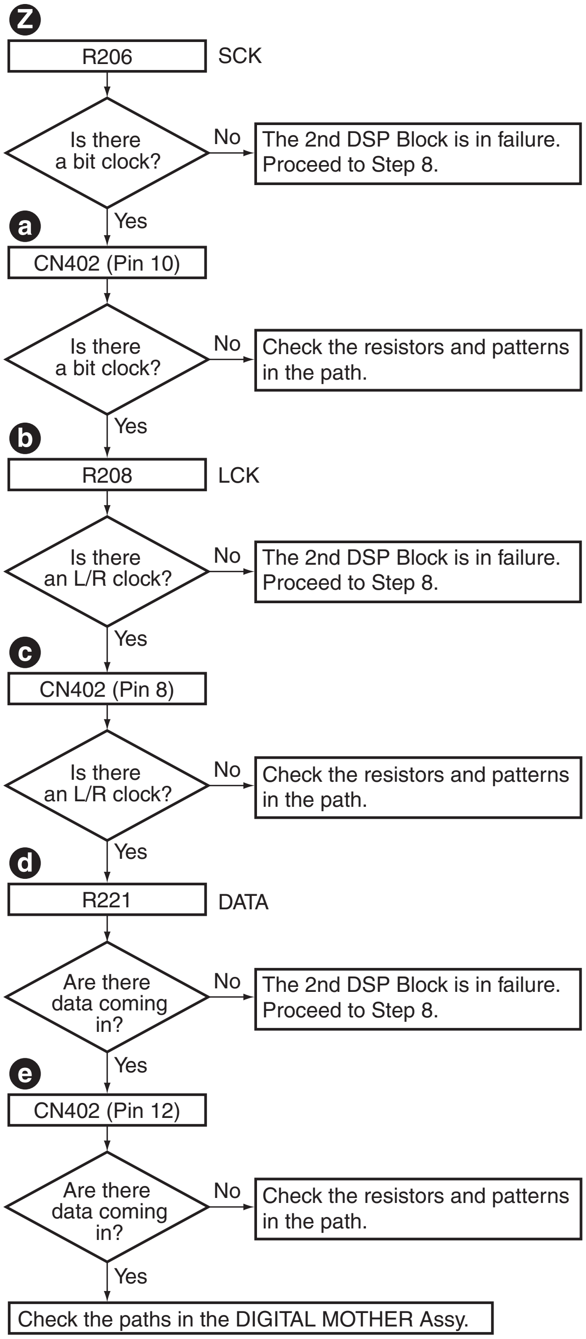
Step 4: Audio Clock


N
CN401 (Pin 12)
MCK
Is there a master-clock signal(24.576 MHz)?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
O
IC401 (Pins 9, 13)
Is there a master-clock signal(24.576 MHz)?
No
Check the resistors and patterns in the path.
Yes
q
R111
Is there a master-clock signal(24.576 MHz)?
No
Replace IC401 or check the signal path.
Yes
r
IC201 (Pin 73)
Is there a master-clock signal(24.576 MHz)?
No
Replace IC401 or check the signal path.
Yes
P
CN401 (Pin 4)
SCK
Is there a bit clock?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
Q
IC401 (Pin 1)
Is there a bit clock?
No
Check the resistors and patterns in the path.
Yes
R
R408
Is there a bit clock?
No
Replace IC401.
Yes
S
CN401 (Pin 2)
LCK
Is there an L/R clock?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
T
IC401 (Pin 4)
Is there an L/R clock?
No
Check the resistors and patterns in the path.
Yes
U
R407
Is there an L/R clock?
No
Replace IC401.
Yes
V
CN401 (Pin 6)
DATA
Are there data coming in?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
s
R114
Are there data coming in?
No
Check the resistors and patterns in the path.
Yes
To Step 5

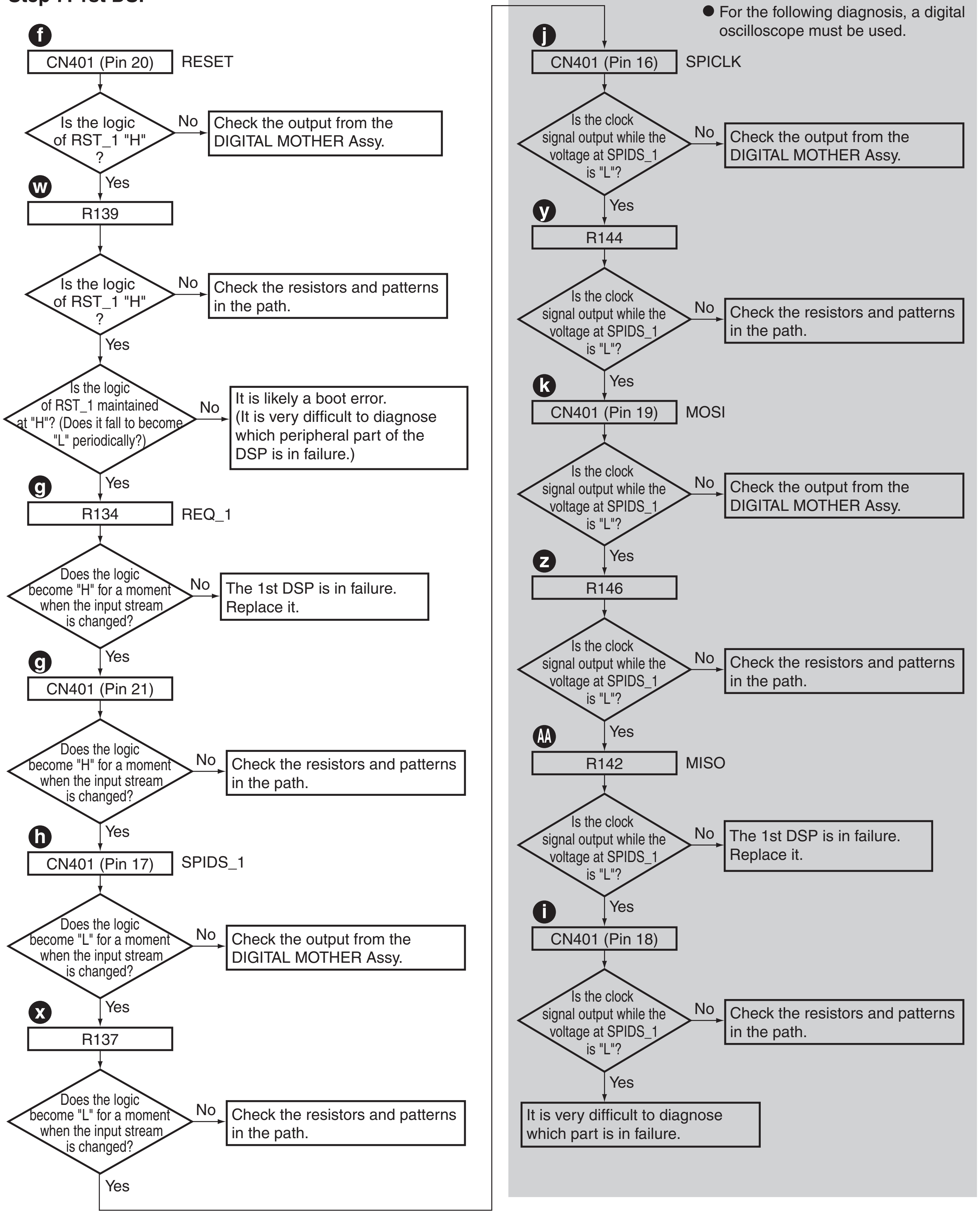
Step 5


W
R121
SCK
Is there a bit clock?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
u
IC201 (Pins 63, 76)
Is there a bit clock?
No
Check the resistors and patterns in the path.
Yes
X
R122
LCK
Is there an L/R clock?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
v
IC201 (Pins 61, 78)
Is there an L/R clock?
No
Check the resistors and patterns in the path.
Yes
Y
R123
DATA
Are there data coming in?
No
The 1st DSP Block is in failure. Proceed to Step 7.
Yes
Y
IC201 (Pin 1)
Are there data coming in?
No
Check the resistors and patterns in the path.
Yes
To Step 6

Step 6


Z
R206
SCK
Is there a bit clock?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
a
CN402 (Pin 10)
Is there a bit clock?
No
Check the resistors and patterns in the path.
Yes
b
R208
LCK
Is there an L/R clock?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
c
CN402 (Pin 8)
Is there an L/R clock?
No
Check the resistors and patterns in the path.
Yes
d
R221
DATA
Are there data coming in?
No
The 2nd DSP Block is in failure. Proceed to Step 8.
Yes
e
CN402 (Pin 12)
Are there data coming in?
No
Check the resistors and patterns in the path.
Yes
Check the paths in the DIGITAL MOTHER Assy.

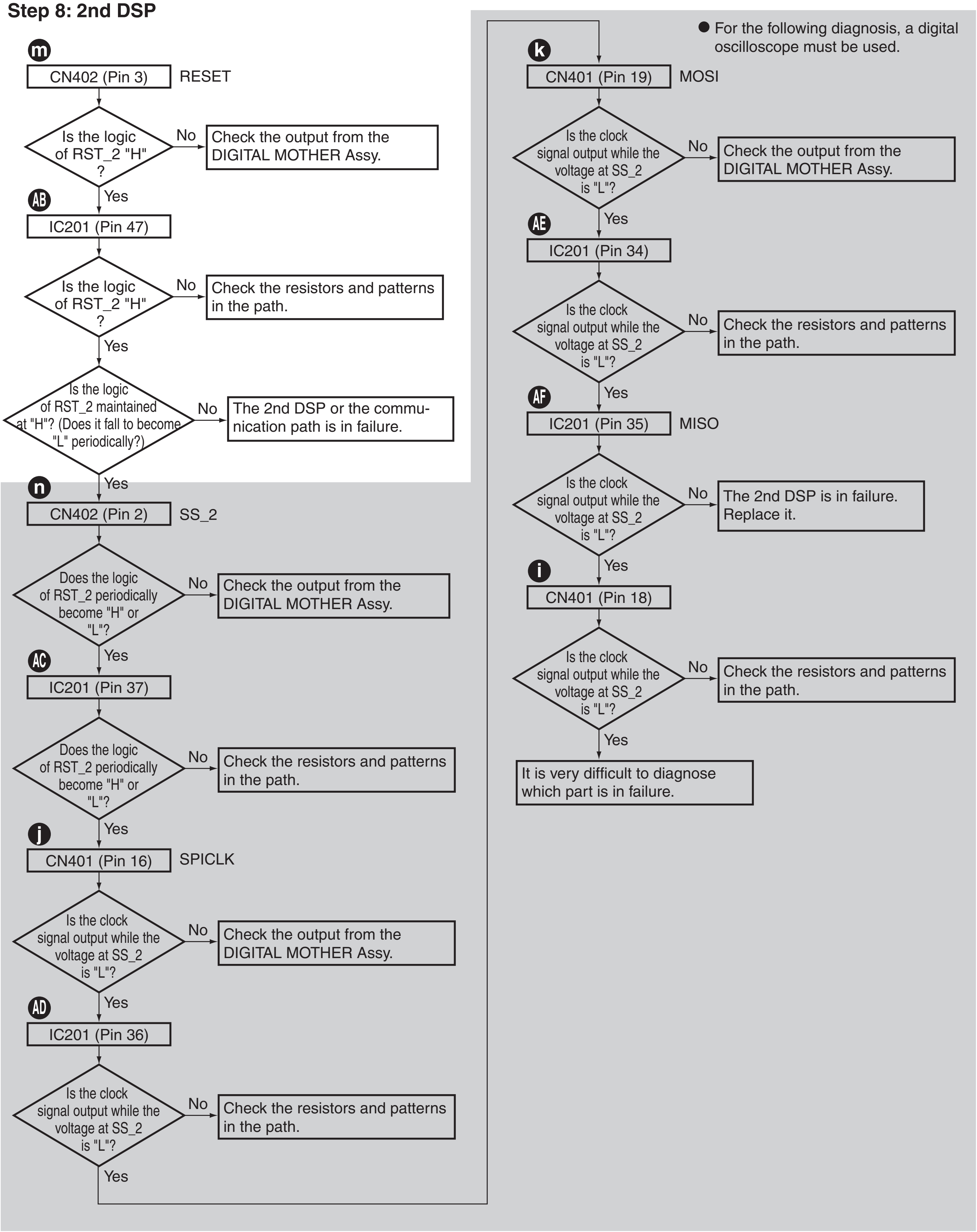
Step 7: 1st DSP



● For the following diagnosis, a digital oscilloscope must be used.

f
CN401 (Pin 20)
RESET
Is the logic of RST_1 "H" ?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
w
R139
Is the logic of RST_1 "H" ?
No
Check the resistors and patterns in the path.
Yes
Is the logic of RST_1 maintained at "H"? (Does it fall to become "L" periodically?)
No
It is likely a boot error. (It is very difficult to diagnose which peripheral part of the DSP is in failure.)
Yes
g
R134
REQ_1
Does the logic become "H" for a moment when the input stream is changed?
No
The 1st DSP is in failure. Replace it.
Yes
g
CN401 (Pin 21)
Does the logic become "H" for a moment when the input stream is changed?
No
Check the resistors and patterns in the path.
Yes
h
CN401 (Pin 17)
SPIDS_1
Does the logic become "L" for a moment when the input stream is changed?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
x
R137
Does the logic become "L" for a moment when the input stream is changed?
No
Check the resistors and patterns in the path.
Yes
j
CN401 (Pin 16)
SPICLK
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
y
R144
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the resistors and patterns in the path.
Yes
k
CN401 (Pin 19)
MOSI
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
z
R146
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the resistors and patterns in the path.
Yes
AA
R142
MISO
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
The 1st DSP is in failure. Replace it.
Yes
i
CN401 (Pin 18)
Is the clock signal output while the voltage at SPIDS_1 is "L"?
No
Check the resistors and patterns in the path.
Yes
It is very difficult to diagnose which part is in failure.

Step 8: 2nd DSP

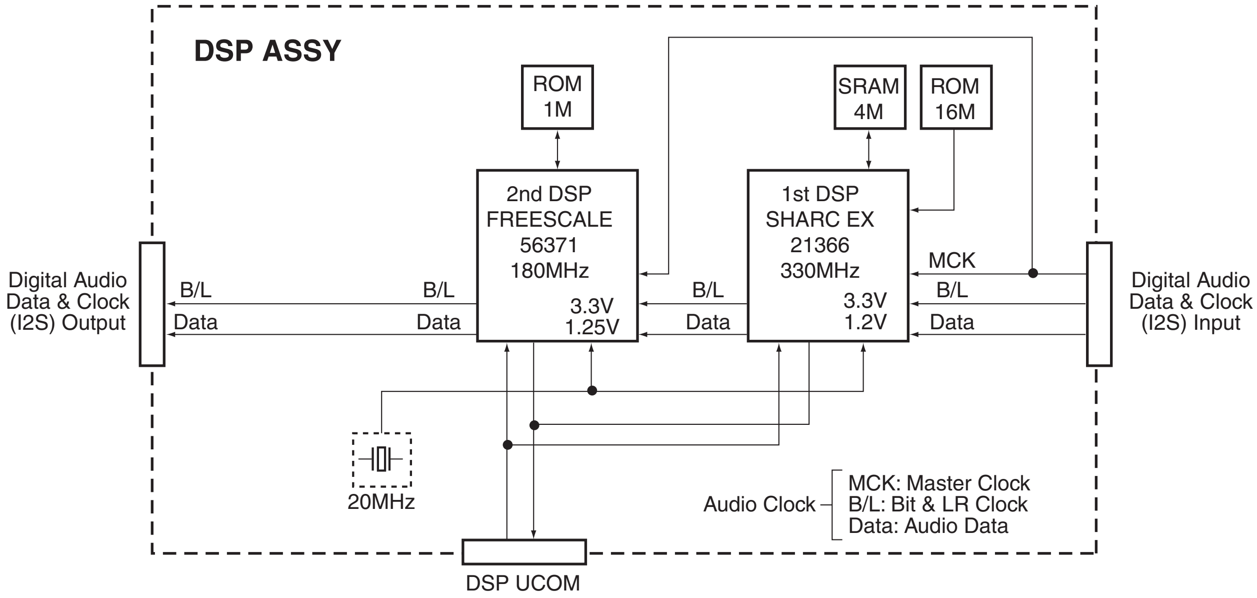


● For the following diagnosis, a digital oscilloscope must be used.

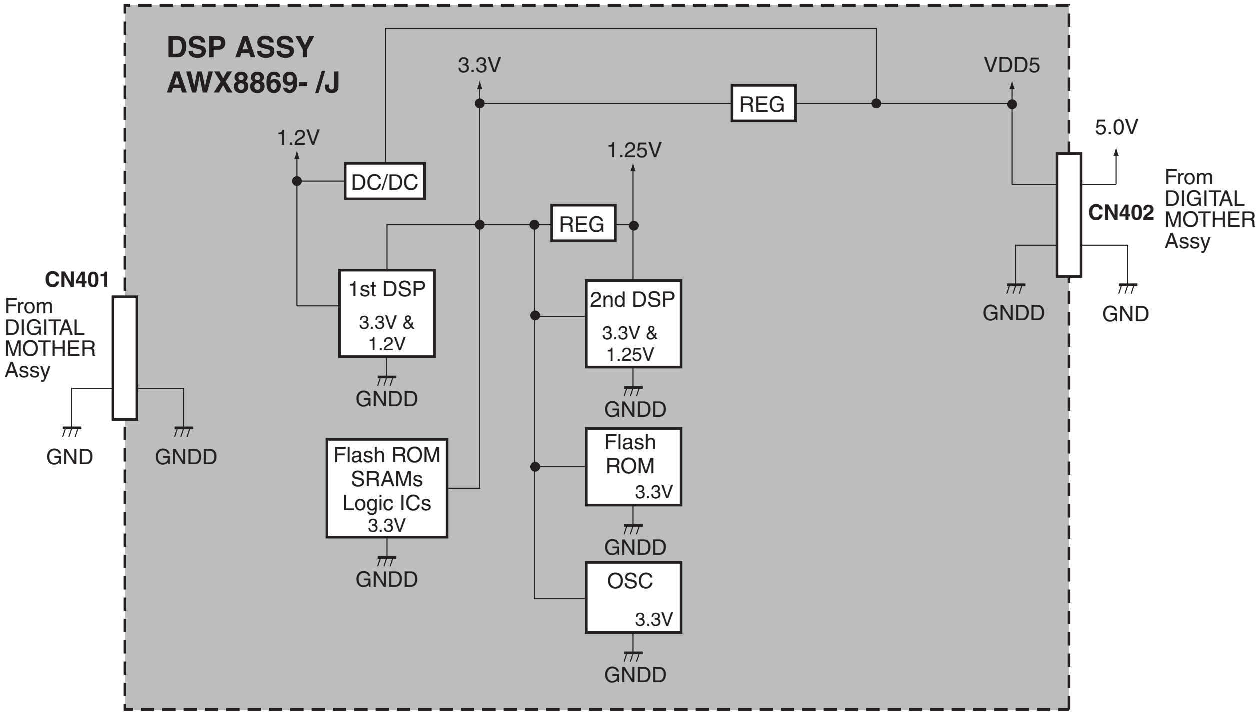
m
CN402 (Pin 3)
RESET
Is the logic of RST_2 "H" ?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
AB
IC201 (Pin 47)
Is the logic of RST_2 "H" ?
No
Check the resistors and patterns in the path.
Yes
Is the logic of RST_2 maintained at "H"? (Does it fall to become "L" periodically?)
No
The 2nd DSP or the communication path is in failure.
Yes
n
CN402 (Pin 2)
SS_2
Does the logic of RST_2 periodically become "H" or "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
AC
IC201 (Pin 37)
Does the logic of RST_2 periodically become "H" or "L"?
No
Check the resistors and patterns in the path.
Yes
j
CN401 (Pin 16)
SPICLK
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
AD
IC201 (Pin 36)
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the resistors and patterns in the path.
Yes
k
CN401 (Pin 19)
MOSI
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the output from the DIGITAL MOTHER Assy.
Yes
AE
IC201 (Pin 34)
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the resistors and patterns in the path.
Yes
AF
IC201 (Pin 35)
MISO
Is the clock signal output while the voltage at SS_2 is "L"?
No
The 2nd DSP is in failure. Replace it.
Yes
i
CN401 (Pin 18)
Is the clock signal output while the voltage at SS_2 is "L"?
No
Check the resistors and patterns in the path.
Yes
It is very difficult to diagnose which part is in failure.

DSP Block Diagram

• CORE Block


DSP ASSY
ROM
1M
SRAM
4M
ROM
16M
2nd DSP
FREESCALE
56371
180MHz
3.3V
1.25V
1st DSP
SHARC EX
21366
330MHz
3.3V
1.2V
Digital Audio
Data & Clock
(I2S) Output
Digital Audio
Data & Clock
(I2S) Input
B/L
Data
B/L
Data
B/L
Data
MCK
B/L
Data
20MHz
DSP UCOM
Audio Clock
MCK: Master Clock
B/L: Bit & LR Clock
Data: Audio Data

• Power Block and GND Map


DSP ASSY
AWX8869- /J
3.3V
VDD5
REG
1.2V
DC/DC
1.25V
REG
5.0V
CN402
From
DIGITAL
MOTHER
Assy
GNDD
GND
CN401
From
DIGITAL
MOTHER
Assy
GND
GNDD
1st DSP
3.3V &
1.2V
GNDD
2nd DSP
3.3V &
1.25V
GNDD
Flash ROM
SRAMs
Logic ICs
3.3V
GNDD
Flash
ROM
3.3V
GNDD
OSC
3.3V
GNDD

▨ : Shows internal ground (GNDD)

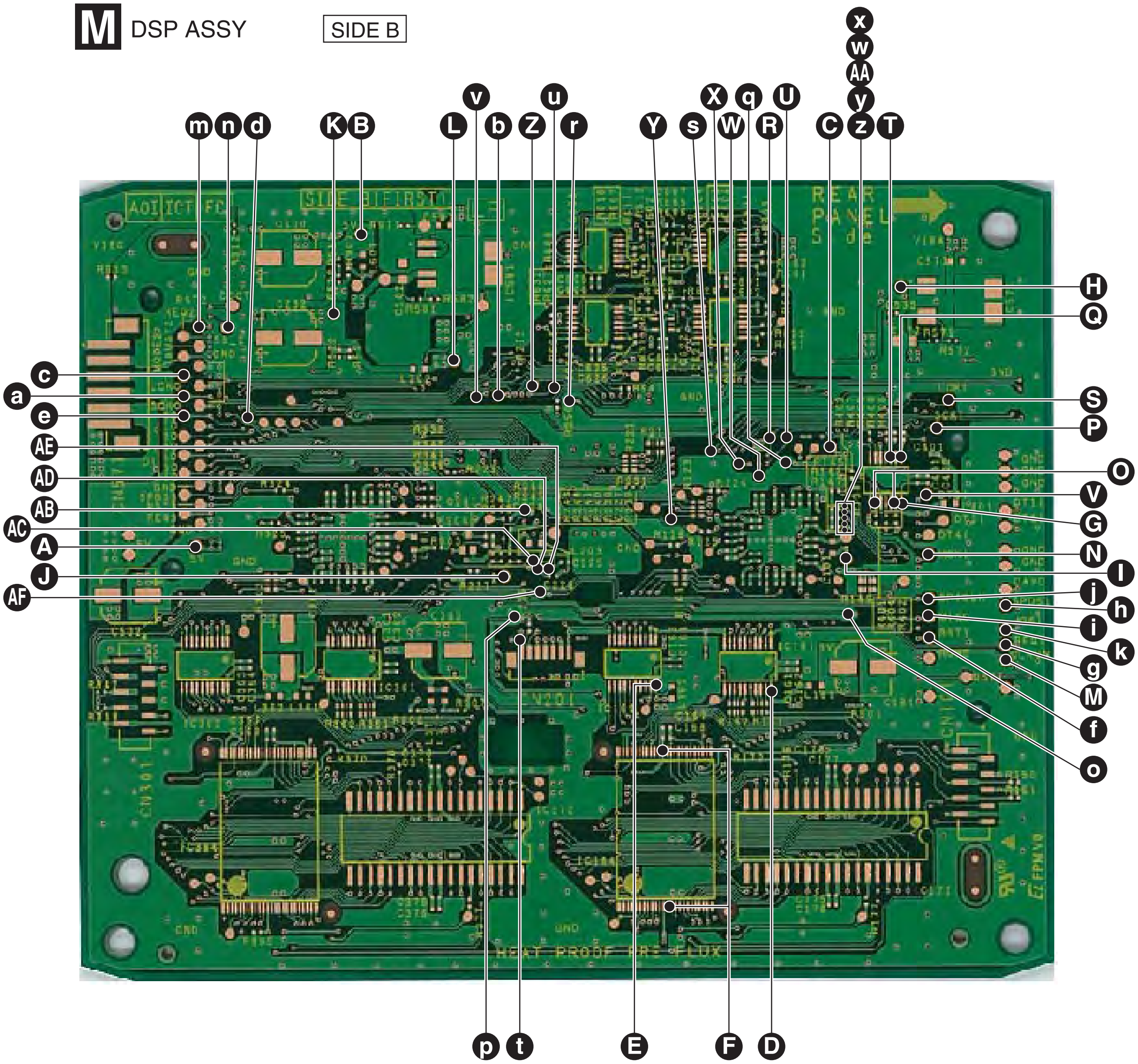
DSP Assy Check Points

A

M DSP ASSY SIDE B

B

C


x
w
AA
y
v
u
X
q
U
m
n
d
K
B
L
b
Z
r
Y
s
W
R
C
z
T
H
Q
S
P
O
V
G
N
I
j
h
i
k
g
M
f
o
c
a
e
AE
AD
AB
AC
A
J
AF
p
t
E
F
D
REAR PANEL Side
SIDE B(FIRST)
HEAT PROOF PRI FLUX

D

E

F

5.1.2 DIAGNOSIS OF THE HDMI BLOCK AND RELATED SYSTEMS

■ HDMI Simple Diagnosis

Please refer to the one point trouble shooting first before checking the flow chart on the next page.

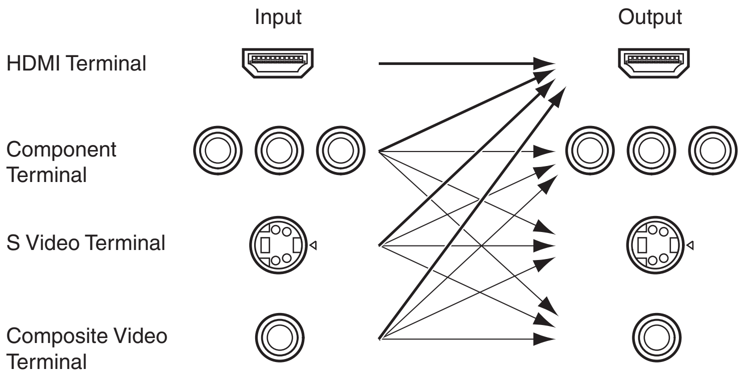
HDMI

Symptom	Remedy
The HDMI indicator blinks continuously.	Check all the points below.
No picture or sound.	• This receiver is HDCP-compatible. Check that the components you are connecting are also HDCP-compatible. If they are not, please connect them using the component, S-video or composite video jacks. • Depending on the connected source component, it’s possible that it will not work with this receiver (even if it is HDCP-compatible). • If the problem still persists when connecting your HDMI component directly to your monitor, please consult the component or monitor manual or contact the manufacturer for support.
No picture.	• Depending in the output settings of the source component, it may be outputting a video format that can't be displayed. Change the output settings of the source, or connect using the component, S-video or composite jacks.
No sound, or sound suddenly ceases.	• Check that the HDMI setting is set to **AMP/THROUGH**. • If the component is a DVI device, use a separate connection for the audio. • Check the audio output settings of the source component.

Note:
- An HDMI connection can only be made with DVI-equipped components compatible with both DVI and High Bandwidth Digital Content Protection (HDCP). If you choose to connect to a DVI connector, you will need a separate adaptor (DVI → HDMI) to do so.
  A DVI connection, however, does not support audio signals. Consult your local audio dealer for more information.
- This unit has been designed to be compliant with HDMI (High Definition Multimedia Interface) Version 1.3a.
  Depending on the component you have connected, using a DVI connection may result in unreliable signal transfers. Also, when using a component with HDMI version 1.39, it is not possible to output copy-controlled DVD-Audio CPPM sources from the HDMI connection.

Digital Video Converting System

The following chart is for video converting. As you can see HDMI input signal is output to HDMI output terminal only. Other analog inputs can be converted to HDMI output signal.

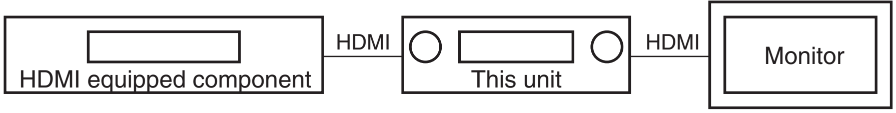


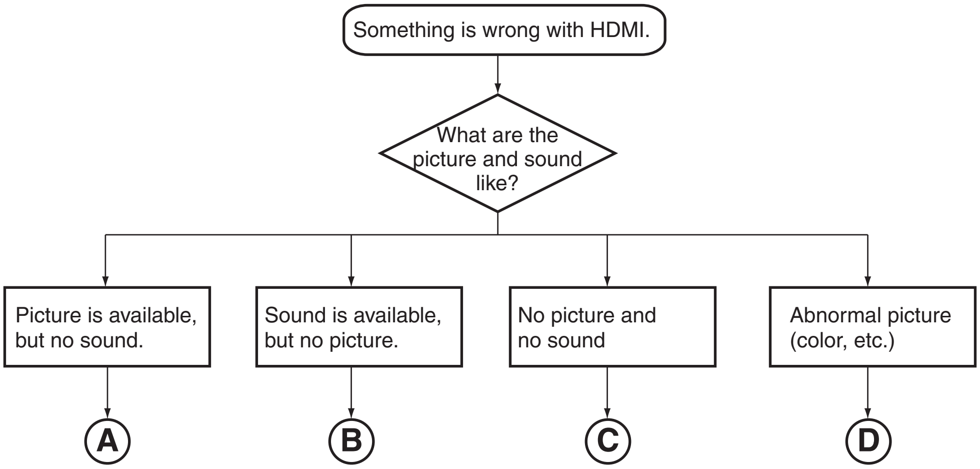
HDMI Audio routing line

Input		Output	HDMI Setting
HDMI	→	HDMI	THROUGH
		Pre out	AMP
		SP Out	
other	→	HDMI	THROUGH
		Pre out	AMP
		SP Out	

■ Status confirmation

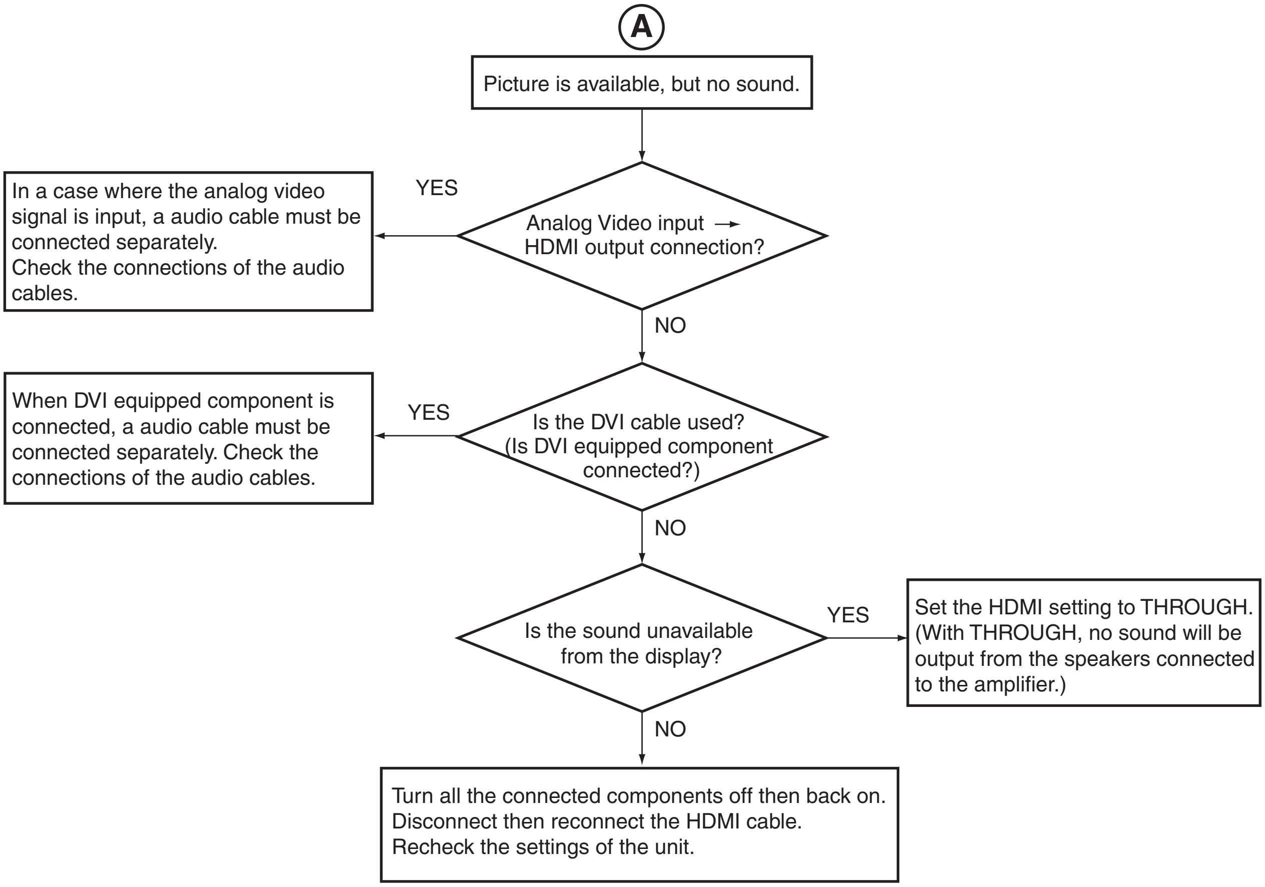
The following charts are based on the HDMI connection below.


HDMI equipped component
HDMI
This unit
HDMI
Monitor

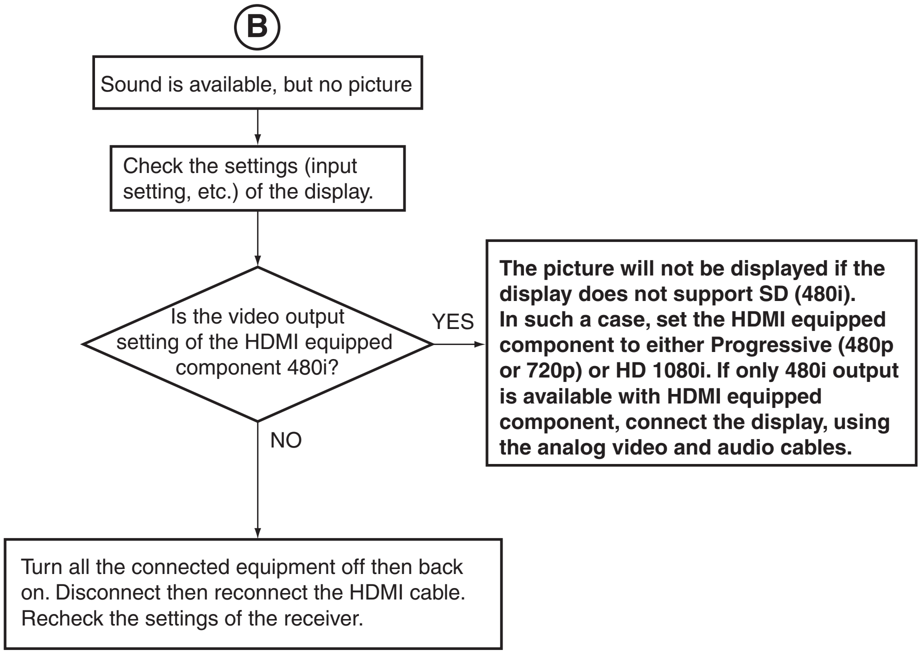

Something is wrong with HDMI.
What are the picture and sound like?
Picture is available, but no sound.
Sound is available, but no picture.
No picture and no sound
Abnormal picture (color, etc.)
A
B
C
D

- In either case, check the connection cables, input selection, and initial settings of the unit first.
- "Analog video" hereinafter means composite, S, or component video.
- "Audio cable" hereinafter means either analog or digital audio connection cables.
- "display" hereinafter means HDMI-compatible monitor or plasma display.

■ In a case where picture is available, but no sound


A
Picture is available, but no sound.
Analog Video input → HDMI output connection?
YES
In a case where the analog video signal is input, a audio cable must be connected separately. Check the connections of the audio cables.
NO
Is the DVI cable used? (Is DVI equipped component connected?)
YES
When DVI equipped component is connected, a audio cable must be connected separately. Check the connections of the audio cables.
NO
Is the sound unavailable from the display?
YES
Set the HDMI setting to THROUGH. (With THROUGH, no sound will be output from the speakers connected to the amplifier.)
NO
Turn all the connected components off then back on. Disconnect then reconnect the HDMI cable. Recheck the settings of the unit.

■ In a case where the sound is available, but no picture



Sound is available, but no picture

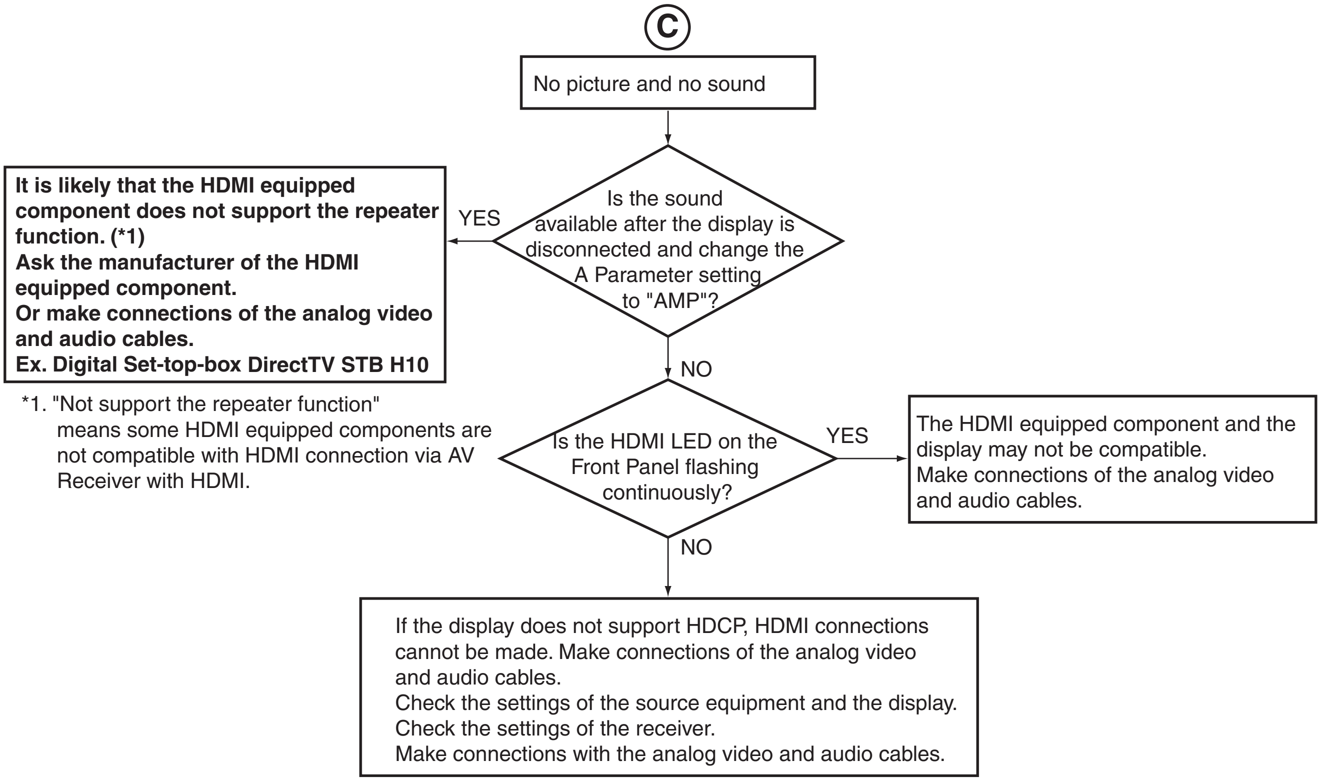
Check the settings (input setting, etc.) of the display.

Is the video output setting of the HDMI equipped component 480i?

The picture will not be displayed if the display does not support SD (480i). In such a case, set the HDMI equipped component to either Progressive (480p or 720p) or HD 1080i. If only 480i output is available with HDMI equipped component, connect the display, using the analog video and audio cables.

Turn all the connected equipment off then back on. Disconnect then reconnect the HDMI cable. Recheck the settings of the receiver.

■ In a case of no picture and no sound



No picture and no sound

Is the sound available after the display is disconnected and change the A Parameter setting to "AMP"?

It is likely that the HDMI equipped component does not support the repeater function. (*1)
Ask the manufacturer of the HDMI equipped component.
Or make connections of the analog video and audio cables.
Ex. Digital Set-top-box DirectTV STB H10

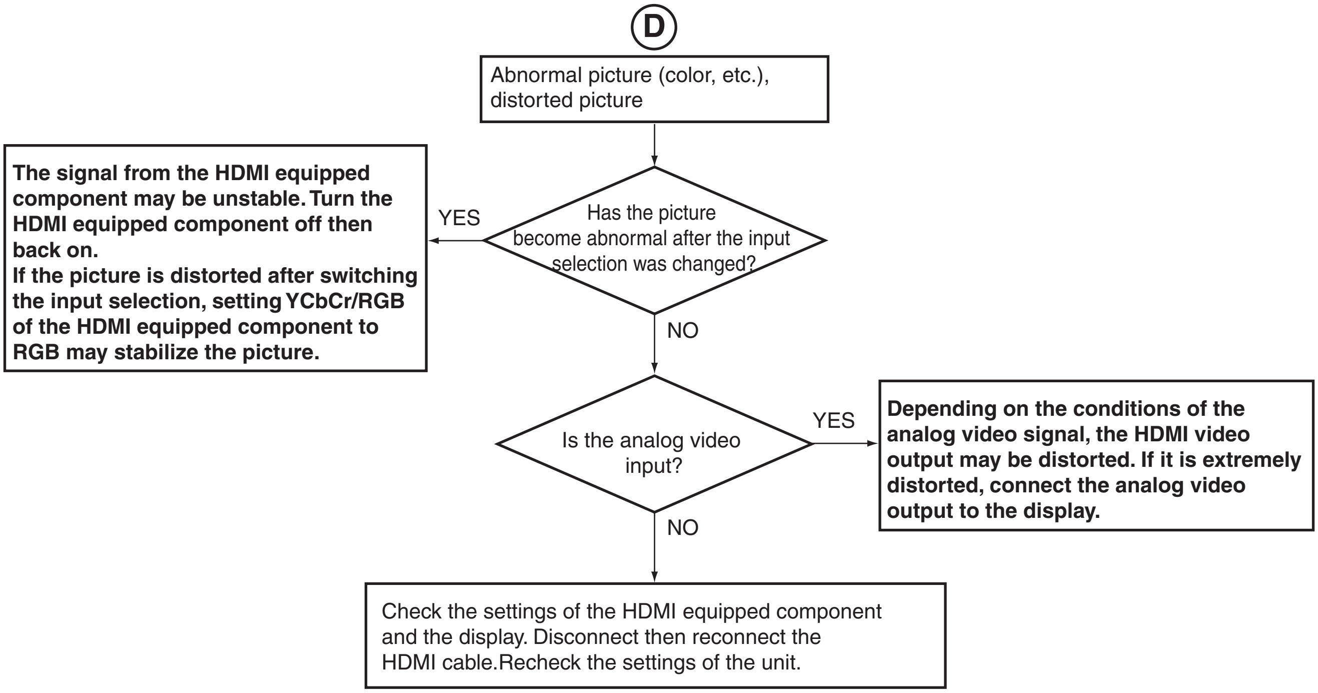
Is the HDMI LED on the Front Panel flashing continuously?

The HDMI equipped component and the display may not be compatible.
Make connections of the analog video and audio cables.

If the display does not support HDCP, HDMI connections cannot be made. Make connections of the analog video and audio cables.
Check the settings of the source equipment and the display.
Check the settings of the receiver.
Make connections with the analog video and audio cables.

*1. "Not support the repeater function" means some HDMI equipped components are not compatible with HDMI connection via AV Receiver with HDMI.

■ In a case of abnormal picture



Abnormal picture (color, etc.), distorted picture

Has the picture become abnormal after the input selection was changed?

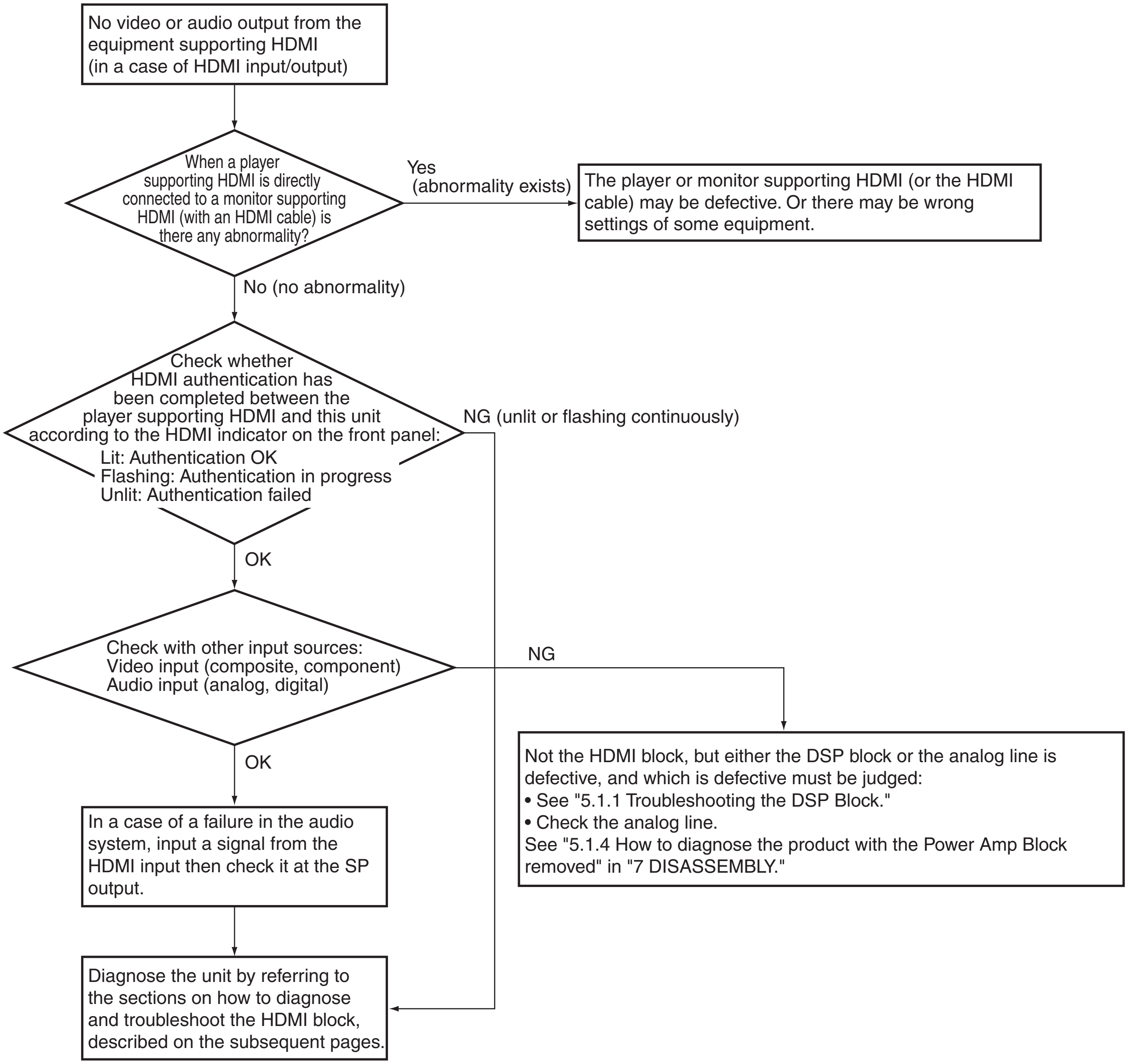
The signal from the HDMI equipped component may be unstable. Turn the HDMI equipped component off then back on.
If the picture is distorted after switching the input selection, setting YCbCr/RGB of the HDMI equipped component to RGB may stabilize the picture.

Is the analog video input?

Depending on the conditions of the analog video signal, the HDMI video output may be distorted. If it is extremely distorted, connect the analog video output to the display.

Check the settings of the HDMI equipped component and the display. Disconnect then reconnect the HDMI cable.Recheck the settings of the unit.

Flowchart of troubleshooting the HDMI block


No video or audio output from the equipment supporting HDMI (in a case of HDMI input/output)
When a player supporting HDMI is directly connected to a monitor supporting HDMI (with an HDMI cable) is there any abnormality?
Yes (abnormality exists)
The player or monitor supporting HDMI (or the HDMI cable) may be defective. Or there may be wrong settings of some equipment.
No (no abnormality)
Check whether HDMI authentication has been completed between the player supporting HDMI and this unit according to the HDMI indicator on the front panel:
Lit: Authentication OK
Flashing: Authentication in progress
Unlit: Authentication failed
NG (unlit or flashing continuously)
OK
Check with other input sources:
Video input (composite, component)
Audio input (analog, digital)
NG
Not the HDMI block, but either the DSP block or the analog line is defective, and which is defective must be judged:
• See "5.1.1 Troubleshooting the DSP Block."
• Check the analog line.
See "5.1.4 How to diagnose the product with the Power Amp Block removed" in "7 DISASSEMBLY."
OK
In a case of a failure in the audio system, input a signal from the HDMI input then check it at the SP output.
Diagnose the unit by referring to the sections on how to diagnose and troubleshoot the HDMI block, described on the subsequent pages.

■ Preparations for diagnosis

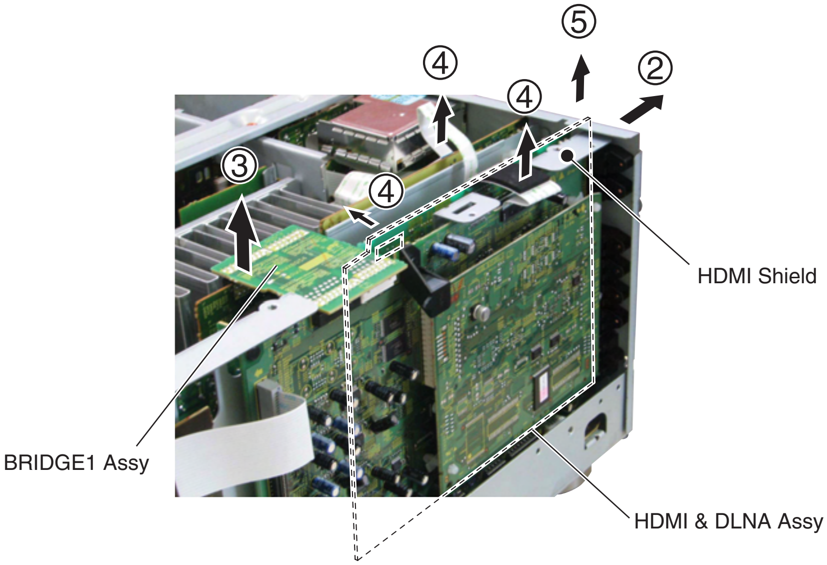
Note : Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

Jig cable

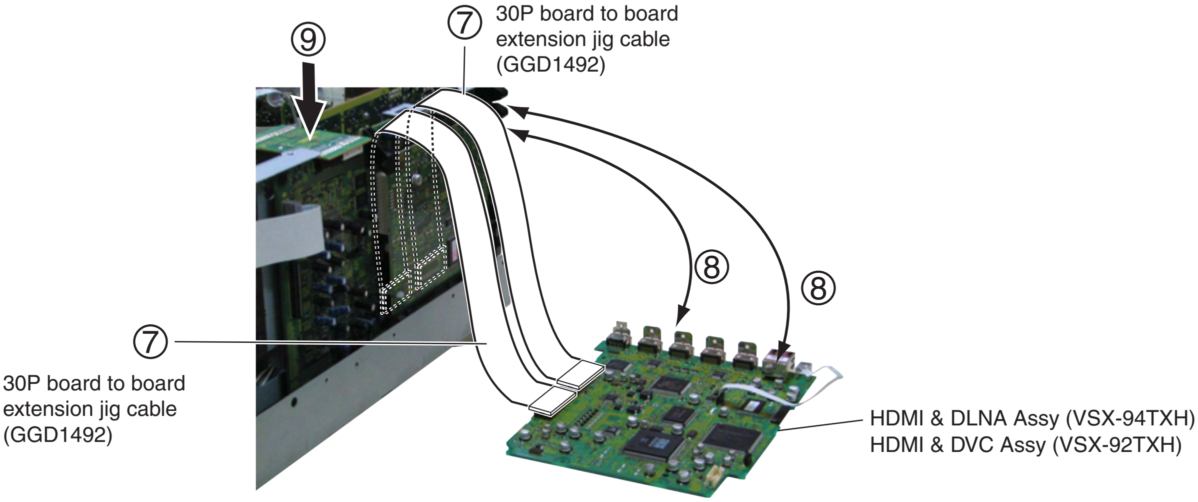
- 30P board to board extension jig cable (GGD1492) x2

[Procedures]

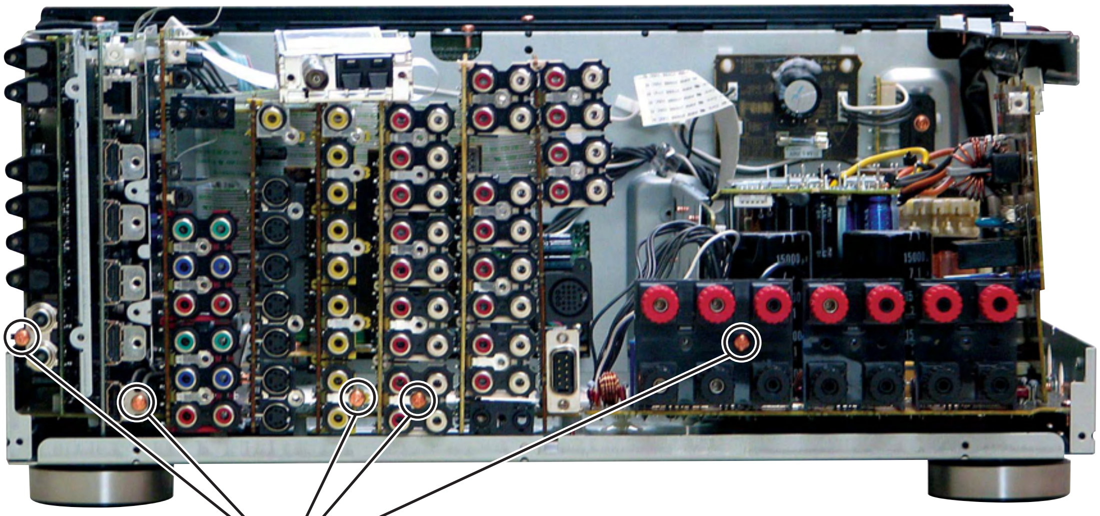
① Remove the bonnet.
② Remove the rear panel (Refer to P.83)
③ Remove the BRIDGE1 Assy.
④ Disconnect the two flexible cables and connector.
⑤ Remove the HDMI & DLNA Assy.
⑥ Remove the HDMI shield.


⑤
④
④
②
③
④
HDMI Shield
BRIDGE1 Assy
HDMI & DLNA Assy

⑦ Connect the two extension jig cables.
⑧ Connect a cable between the HDMI connector and the chassis.
⑨ Connect the BRIDGE1 Assy.


⑨
⑦ 30P board to board extension jig cable (GGD1492)
⑧
⑧
⑦
30P board to board extension jig cable (GGD1492)
HDMI & DLNA Assy (VSX-94TXH)
HDMI & DVC Assy (VSX-92TXH)

Note : As mentioned below, detach the rear panel, re-fasten the screws at the corresponding points, and connect the chassis to the ground.

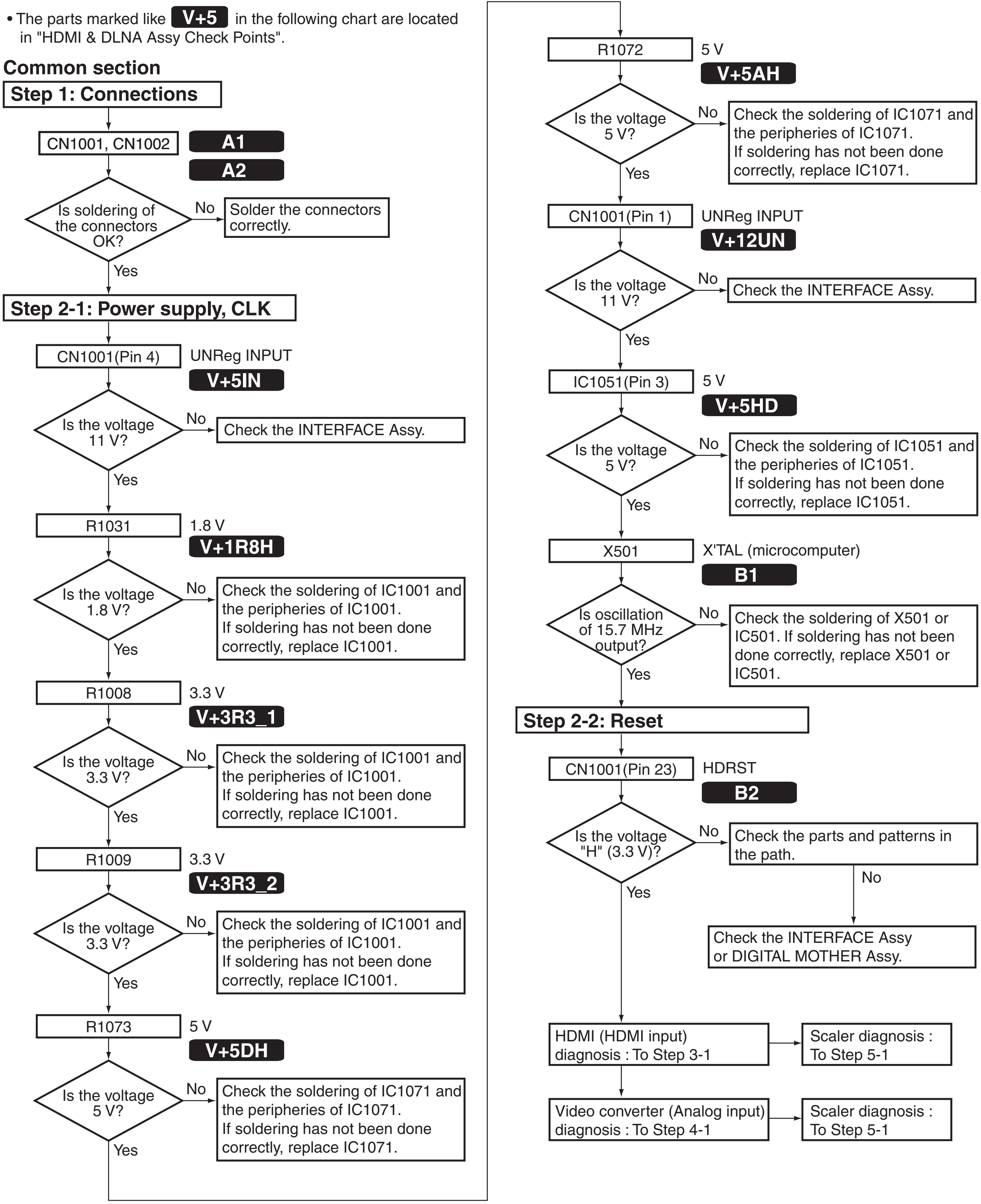


Points to be connected to the chassis

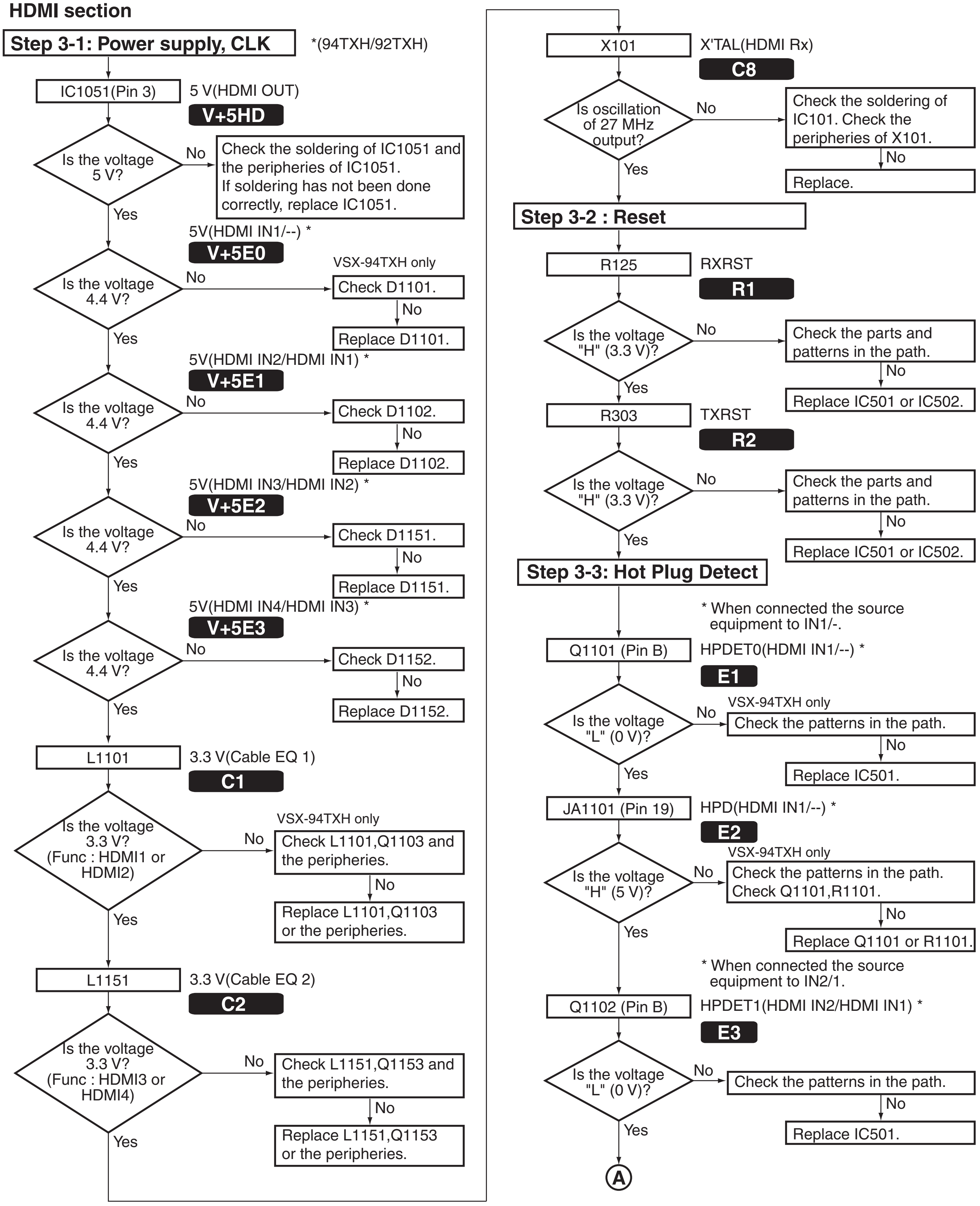
■ HDMI Troubleshooting

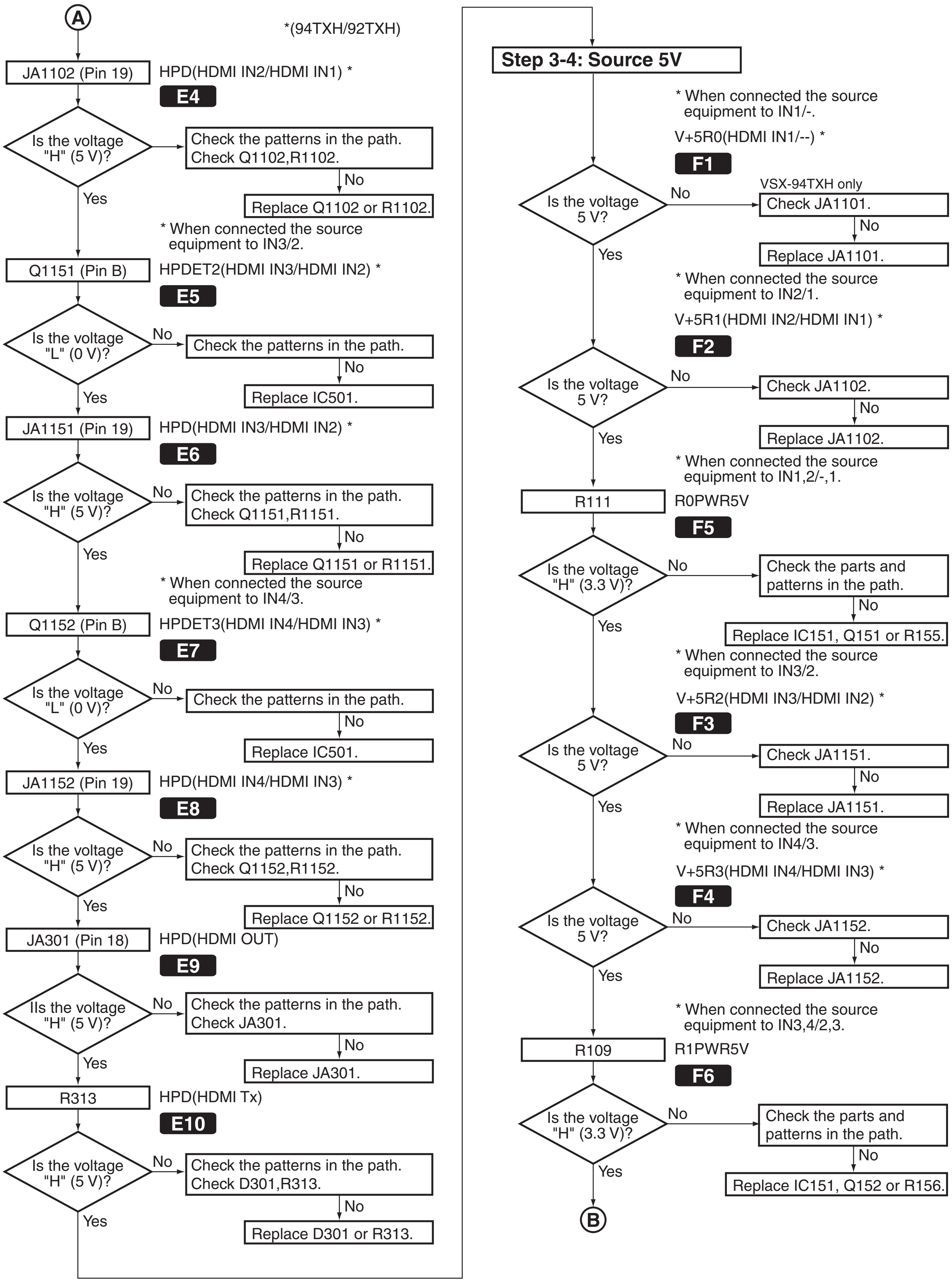
- The parts marked like **V+5** in the following chart are located in "HDMI & DLNA Assy Check Points".

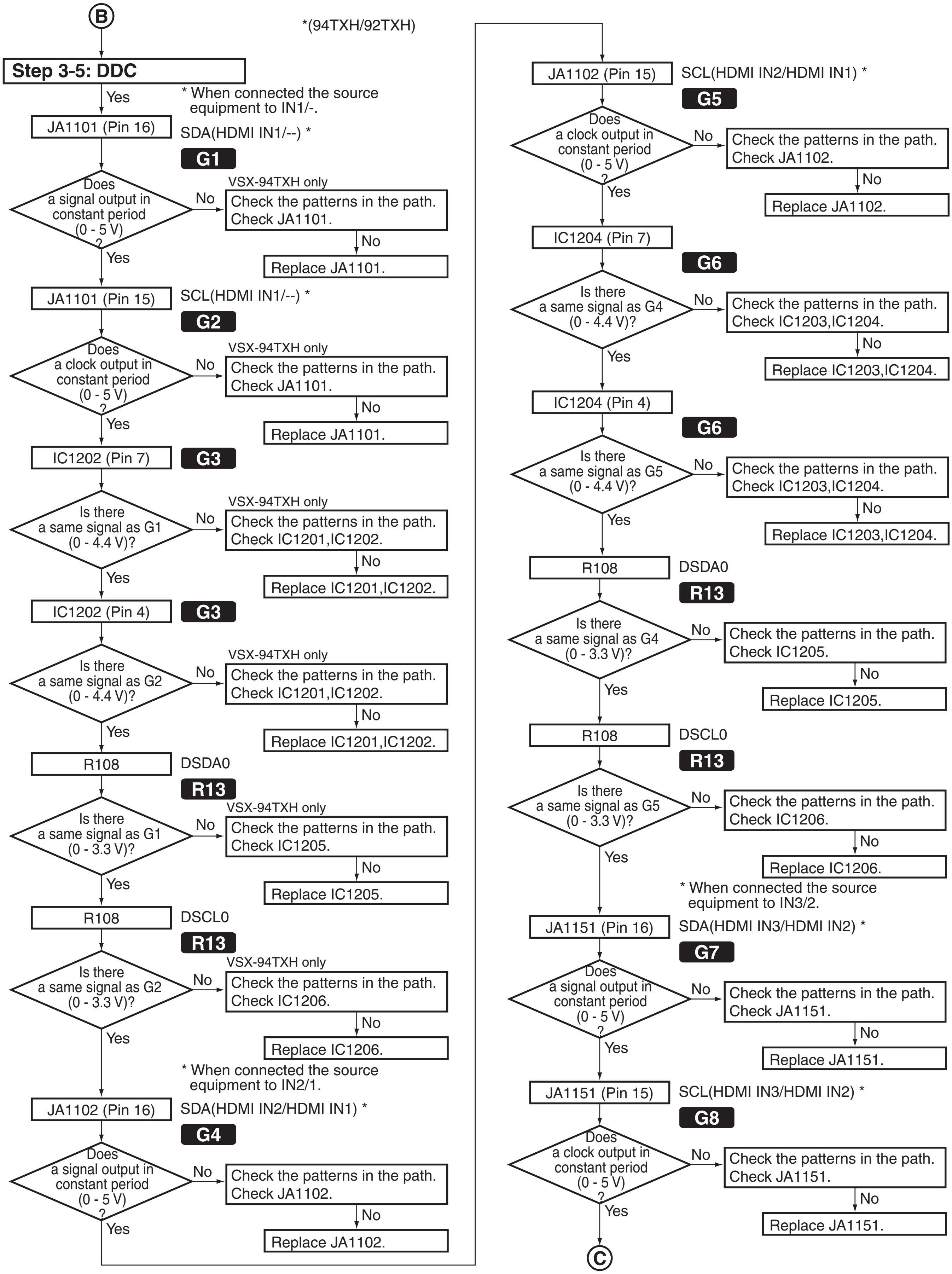
Common section

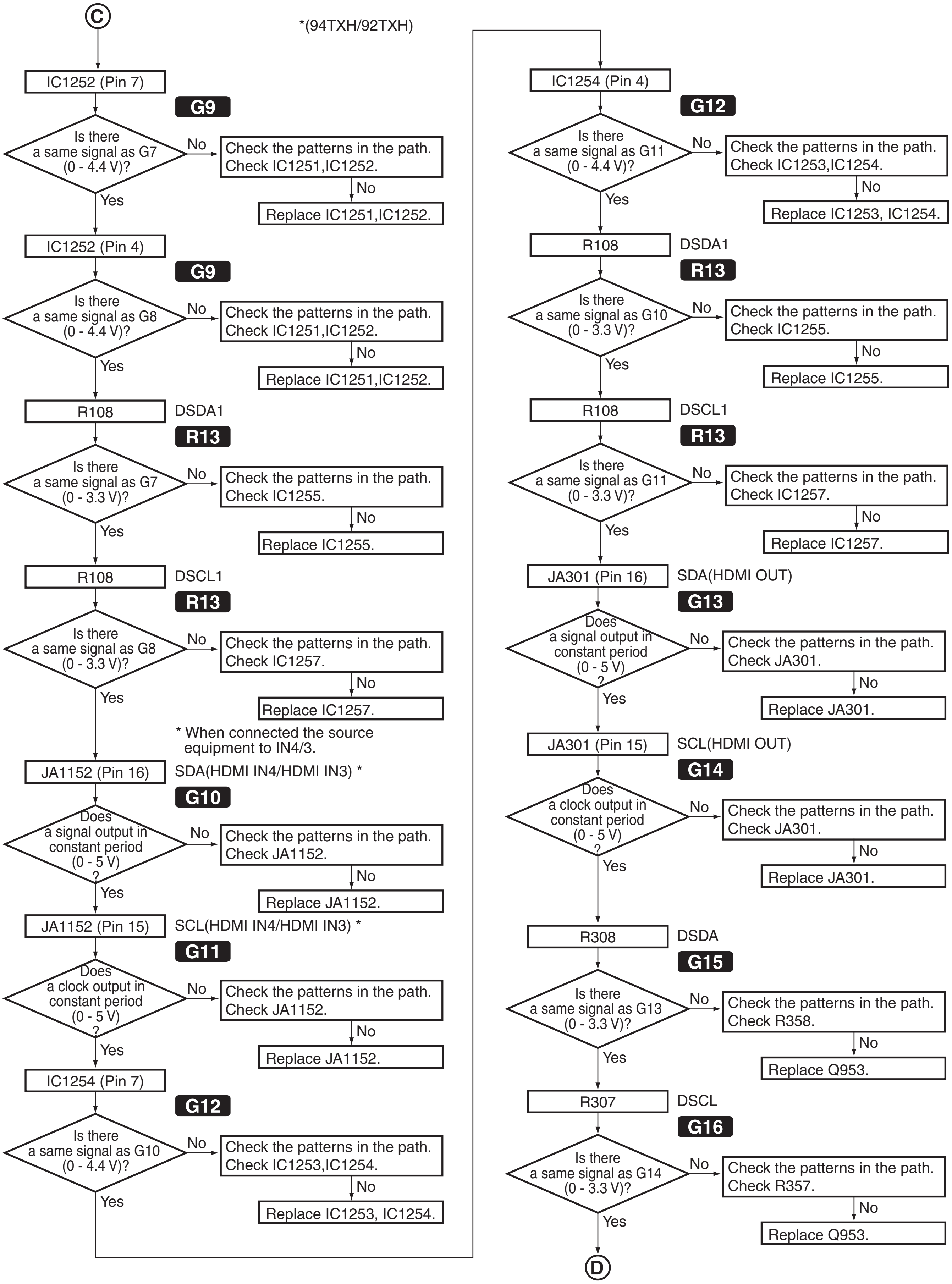

Step 1: Connections
CN1001, CN1002
A1
A2
Is soldering of the connectors OK?
No
Solder the connectors correctly.
Yes
Step 2-1: Power supply, CLK
CN1001(Pin 4)
UNReg INPUT
V+5IN
Is the voltage 11 V?
No
Check the INTERFACE Assy.
Yes
R1031
1.8 V
V+1R8H
Is the voltage 1.8 V?
No
Check the soldering of IC1001 and the peripheries of IC1001. If soldering has not been done correctly, replace IC1001.
Yes
R1008
3.3 V
V+3R3_1
Is the voltage 3.3 V?
No
Check the soldering of IC1001 and the peripheries of IC1001. If soldering has not been done correctly, replace IC1001.
Yes
R1009
3.3 V
V+3R3_2
Is the voltage 3.3 V?
No
Check the soldering of IC1001 and the peripheries of IC1001. If soldering has not been done correctly, replace IC1001.
Yes
R1073
5 V
V+5DH
Is the voltage 5 V?
No
Check the soldering of IC1071 and the peripheries of IC1071. If soldering has not been done correctly, replace IC1071.
Yes
R1072
5 V
V+5AH
Is the voltage 5 V?
No
Check the soldering of IC1071 and the peripheries of IC1071. If soldering has not been done correctly, replace IC1071.
Yes
CN1001(Pin 1)
UNReg INPUT
V+12UN
Is the voltage 11 V?
No
Check the INTERFACE Assy.
Yes
IC1051(Pin 3)
5 V
V+5HD
Is the voltage 5 V?
No
Check the soldering of IC1051 and the peripheries of IC1051. If soldering has not been done correctly, replace IC1051.
Yes
X501
X'TAL (microcomputer)
B1
Is oscillation of 15.7 MHz output?
No
Check the soldering of X501 or IC501. If soldering has not been done correctly, replace X501 or IC501.
Yes
Step 2-2: Reset
CN1001(Pin 23)
HDRST
B2
Is the voltage "H" (3.3 V)?
No
Check the parts and patterns in the path.
No
Check the INTERFACE Assy or DIGITAL MOTHER Assy.
Yes
HDMI (HDMI input) diagnosis : To Step 3-1
Scaler diagnosis : To Step 5-1
Video converter (Analog input) diagnosis : To Step 4-1
Scaler diagnosis : To Step 5-1

HDMI section


Step 3-1: Power supply, CLK
*(94TXH/92TXH)
IC1051(Pin 3)
5 V(HDMI OUT)
V+5HD
Is the voltage 5 V?
No
Check the soldering of IC1051 and the peripheries of IC1051. If soldering has not been done correctly, replace IC1051.
Yes
5V(HDMI IN1/--) *
V+5E0
VSX-94TXH only
Is the voltage 4.4 V?
No
Check D1101.
No
Replace D1101.
Yes
5V(HDMI IN2/HDMI IN1) *
V+5E1
Is the voltage 4.4 V?
No
Check D1102.
No
Replace D1102.
Yes
5V(HDMI IN3/HDMI IN2) *
V+5E2
Is the voltage 4.4 V?
No
Check D1151.
No
Replace D1151.
Yes
5V(HDMI IN4/HDMI IN3) *
V+5E3
Is the voltage 4.4 V?
No
Check D1152.
No
Replace D1152.
Yes
L1101
3.3 V(Cable EQ 1)
C1
VSX-94TXH only
Is the voltage 3.3 V? (Func : HDMI1 or HDMI2)
No
Check L1101,Q1103 and the peripheries.
No
Replace L1101,Q1103 or the peripheries.
Yes
L1151
3.3 V(Cable EQ 2)
C2
Is the voltage 3.3 V? (Func : HDMI3 or HDMI4)
No
Check L1151,Q1153 and the peripheries.
No
Replace L1151,Q1153 or the peripheries.
Yes
X101
X'TAL(HDMI Rx)
C8
Is oscillation of 27 MHz output?
No
Check the soldering of IC101. Check the peripheries of X101.
No
Replace.
Yes
Step 3-2 : Reset
R125
RXRST
R1
Is the voltage "H" (3.3 V)?
No
Check the parts and patterns in the path.
No
Replace IC501 or IC502.
Yes
R303
TXRST
R2
Is the voltage "H" (3.3 V)?
No
Check the parts and patterns in the path.
No
Replace IC501 or IC502.
Yes
Step 3-3: Hot Plug Detect
* When connected the source equipment to IN1/-.
Q1101 (Pin B)
HPDET0(HDMI IN1/--) *
E1
VSX-94TXH only
Is the voltage "L" (0 V)?
No
Check the patterns in the path.
No
Replace IC501.
Yes
JA1101 (Pin 19)
HPD(HDMI IN1/--) *
E2
VSX-94TXH only
Is the voltage "H" (5 V)?
No
Check the patterns in the path. Check Q1101,R1101.
No
Replace Q1101 or R1101.
Yes
* When connected the source equipment to IN2/1.
Q1102 (Pin B)
HPDET1(HDMI IN2/HDMI IN1) *
E3
Is the voltage "L" (0 V)?
No
Check the patterns in the path.
No
Replace IC501.
Yes
A


A
*(94TXH/92TXH)
JA1102 (Pin 19)
HPD(HDMI IN2/HDMI IN1) *
E4
Is the voltage "H" (5 V)?
Check the patterns in the path. Check Q1102,R1102.
No
Replace Q1102 or R1102.
Yes
* When connected the source equipment to IN3/2.
Q1151 (Pin B)
HPDET2(HDMI IN3/HDMI IN2) *
E5
Is the voltage "L" (0 V)?
No
Check the patterns in the path.
No
Replace IC501.
Yes
JA1151 (Pin 19)
HPD(HDMI IN3/HDMI IN2) *
E6
Is the voltage "H" (5 V)?
No
Check the patterns in the path. Check Q1151,R1151.
No
Replace Q1151 or R1151.
Yes
* When connected the source equipment to IN4/3.
Q1152 (Pin B)
HPDET3(HDMI IN4/HDMI IN3) *
E7
Is the voltage "L" (0 V)?
No
Check the patterns in the path.
No
Replace IC501.
Yes
JA1152 (Pin 19)
HPD(HDMI IN4/HDMI IN3) *
E8
Is the voltage "H" (5 V)?
No
Check the patterns in the path. Check Q1152,R1152.
No
Replace Q1152 or R1152.
Yes
JA301 (Pin 18)
HPD(HDMI OUT)
E9
IIs the voltage "H" (5 V)?
No
Check the patterns in the path. Check JA301.
No
Replace JA301.
Yes
R313
HPD(HDMI Tx)
E10
Is the voltage "H" (5 V)?
No
Check the patterns in the path. Check D301,R313.
No
Replace D301 or R313.
Yes
Step 3-4: Source 5V
* When connected the source equipment to IN1/-.
V+5R0(HDMI IN1/--) *
F1
Is the voltage 5 V?
No
VSX-94TXH only
Check JA1101.
No
Replace JA1101.
Yes
* When connected the source equipment to IN2/1.
V+5R1(HDMI IN2/HDMI IN1) *
F2
Is the voltage 5 V?
No
Check JA1102.
No
Replace JA1102.
Yes
* When connected the source equipment to IN1,2/-,1.
R111
R0PWR5V
F5
Is the voltage "H" (3.3 V)?
No
Check the parts and patterns in the path.
No
Replace IC151, Q151 or R155.
Yes
* When connected the source equipment to IN3/2.
V+5R2(HDMI IN3/HDMI IN2) *
F3
Is the voltage 5 V?
No
Check JA1151.
No
Replace JA1151.
Yes
* When connected the source equipment to IN4/3.
V+5R3(HDMI IN4/HDMI IN3) *
F4
Is the voltage 5 V?
No
Check JA1152.
No
Replace JA1152.
Yes
* When connected the source equipment to IN3,4/2,3.
R109
R1PWR5V
F6
Is the voltage "H" (3.3 V)?
No
Check the parts and patterns in the path.
No
Replace IC151, Q152 or R156.
Yes
B

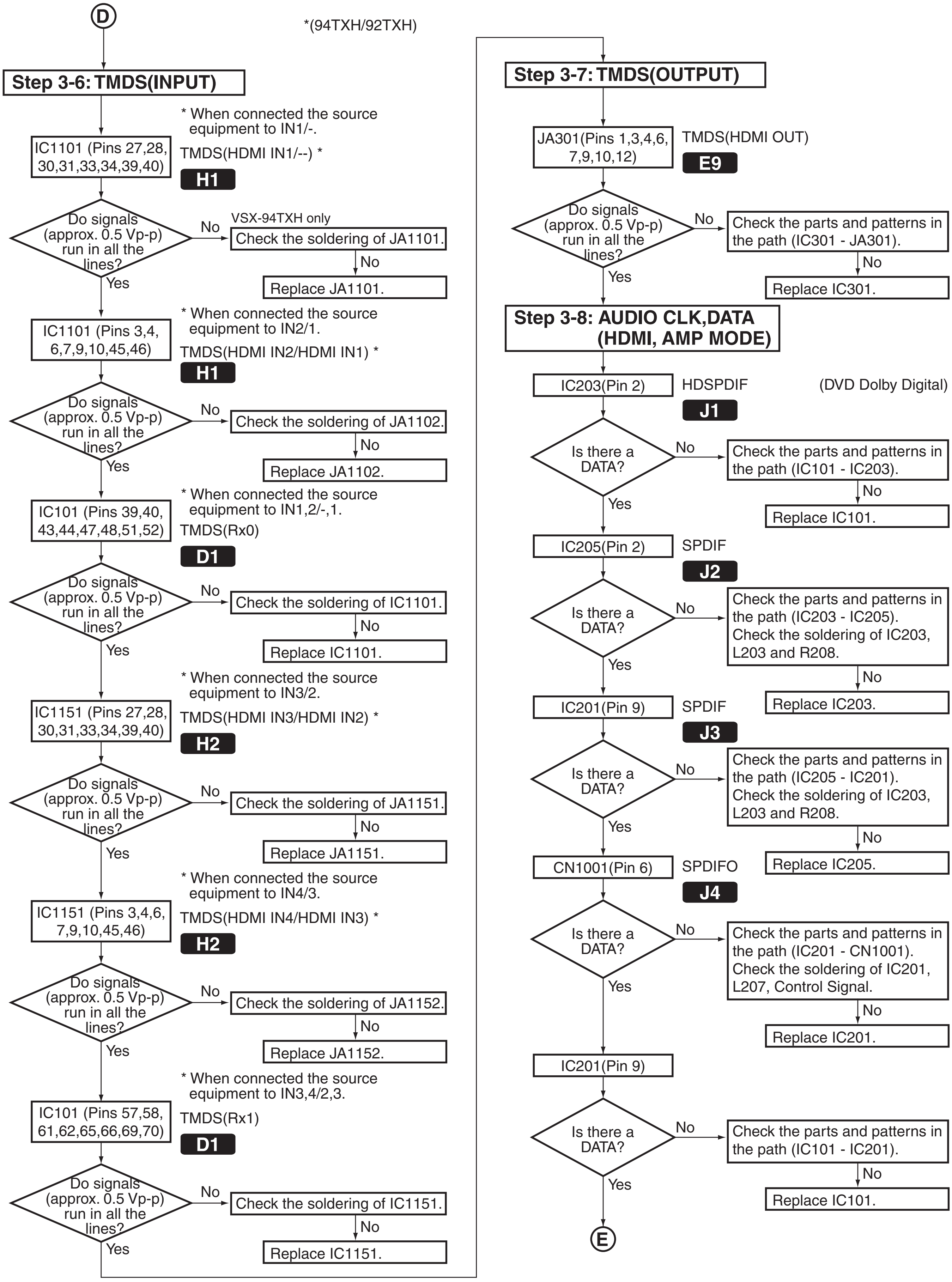

B
*(94TXH/92TXH)
Step 3-5: DDC
Yes
* When connected the source equipment to IN1/-.
JA1101 (Pin 16)
SDA(HDMI IN1/--) *
G1
Does a signal output in constant period (0 - 5 V)?
VSX-94TXH only
No
Check the patterns in the path. Check JA1101.
No
Replace JA1101.
Yes
JA1101 (Pin 15)
SCL(HDMI IN1/--) *
G2
Does a clock output in constant period (0 - 5 V)?
VSX-94TXH only
No
Check the patterns in the path. Check JA1101.
No
Replace JA1101.
Yes
IC1202 (Pin 7)
G3
Is there a same signal as G1 (0 - 4.4 V)?
VSX-94TXH only
No
Check the patterns in the path. Check IC1201,IC1202.
No
Replace IC1201,IC1202.
Yes
IC1202 (Pin 4)
G3
Is there a same signal as G2 (0 - 4.4 V)?
VSX-94TXH only
No
Check the patterns in the path. Check IC1201,IC1202.
No
Replace IC1201,IC1202.
Yes
R108
DSDA0
R13
Is there a same signal as G1 (0 - 3.3 V)?
VSX-94TXH only
No
Check the patterns in the path. Check IC1205.
No
Replace IC1205.
Yes
R108
DSCL0
R13
Is there a same signal as G2 (0 - 3.3 V)?
VSX-94TXH only
No
Check the patterns in the path. Check IC1206.
No
Replace IC1206.
Yes
* When connected the source equipment to IN2/1.
JA1102 (Pin 16)
SDA(HDMI IN2/HDMI IN1) *
G4
Does a signal output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA1102.
No
Replace JA1102.
Yes
JA1102 (Pin 15)
SCL(HDMI IN2/HDMI IN1) *
G5
Does a clock output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA1102.
No
Replace JA1102.
Yes
IC1204 (Pin 7)
G6
Is there a same signal as G4 (0 - 4.4 V)?
No
Check the patterns in the path. Check IC1203,IC1204.
No
Replace IC1203,IC1204.
Yes
IC1204 (Pin 4)
G6
Is there a same signal as G5 (0 - 4.4 V)?
No
Check the patterns in the path. Check IC1203,IC1204.
No
Replace IC1203,IC1204.
Yes
R108
DSDA0
R13
Is there a same signal as G4 (0 - 3.3 V)?
No
Check the patterns in the path. Check IC1205.
No
Replace IC1205.
Yes
R108
DSCL0
R13
Is there a same signal as G5 (0 - 3.3 V)?
No
Check the patterns in the path. Check IC1206.
No
Replace IC1206.
Yes
* When connected the source equipment to IN3/2.
JA1151 (Pin 16)
SDA(HDMI IN3/HDMI IN2) *
G7
Does a signal output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA1151.
No
Replace JA1151.
Yes
JA1151 (Pin 15)
SCL(HDMI IN3/HDMI IN2) *
G8
Does a clock output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA1151.
No
Replace JA1151.
Yes
C

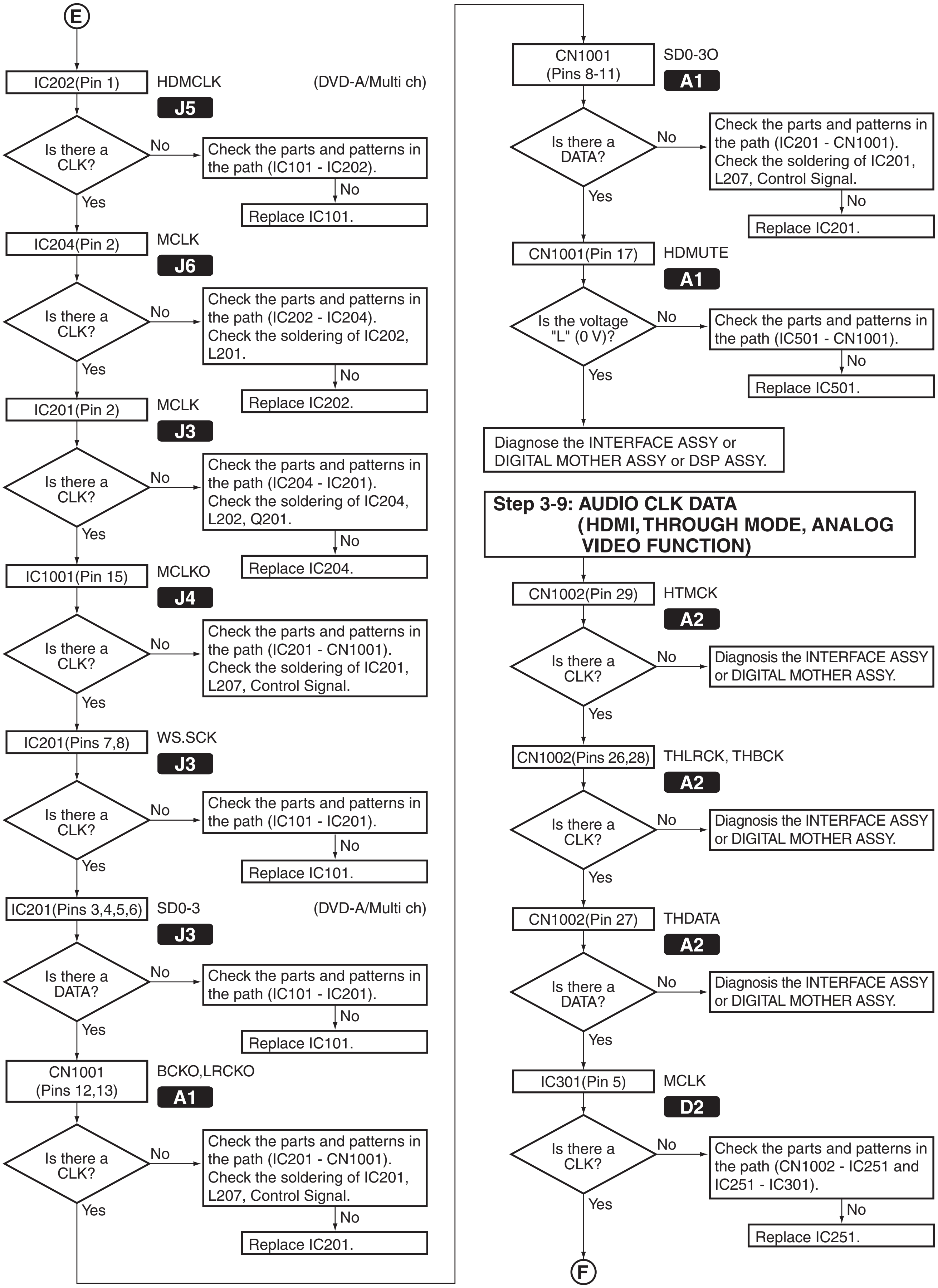


*(94TXH/92TXH)

* When connected the source equipment to IN4/3.

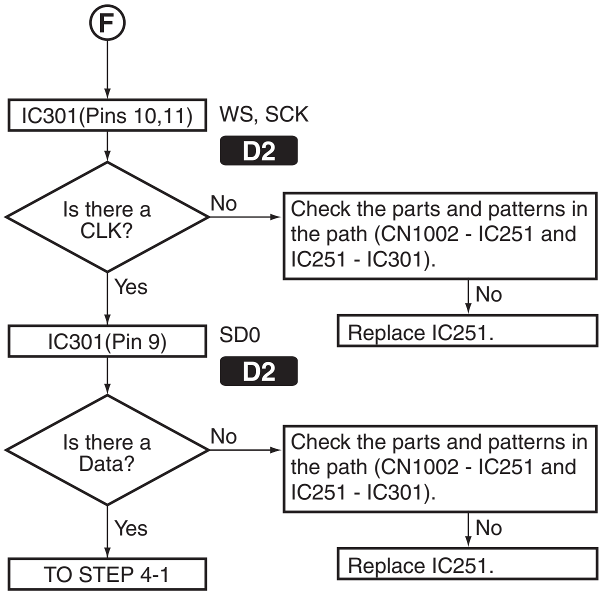
C
IC1252 (Pin 7)
G9
Is there a same signal as G7 (0 - 4.4 V)?
No
Check the patterns in the path. Check IC1251,IC1252.
No
Replace IC1251,IC1252.
Yes
IC1252 (Pin 4)
G9
Is there a same signal as G8 (0 - 4.4 V)?
No
Check the patterns in the path. Check IC1251,IC1252.
No
Replace IC1251,IC1252.
Yes
R108
DSDA1
R13
Is there a same signal as G7 (0 - 3.3 V)?
No
Check the patterns in the path. Check IC1255.
No
Replace IC1255.
Yes
R108
DSCL1
R13
Is there a same signal as G8 (0 - 3.3 V)?
No
Check the patterns in the path. Check IC1257.
No
Replace IC1257.
Yes
JA1152 (Pin 16)
SDA(HDMI IN4/HDMI IN3) *
G10
Does a signal output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA1152.
No
Replace JA1152.
Yes
JA1152 (Pin 15)
SCL(HDMI IN4/HDMI IN3) *
G11
Does a clock output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA1152.
No
Replace JA1152.
Yes
IC1254 (Pin 7)
G12
Is there a same signal as G10 (0 - 4.4 V)?
No
Check the patterns in the path. Check IC1253,IC1254.
No
Replace IC1253, IC1254.
Yes
IC1254 (Pin 4)
G12
Is there a same signal as G11 (0 - 4.4 V)?
No
Check the patterns in the path. Check IC1253,IC1254.
No
Replace IC1253, IC1254.
Yes
R108
DSDA1
R13
Is there a same signal as G10 (0 - 3.3 V)?
No
Check the patterns in the path. Check IC1255.
No
Replace IC1255.
Yes
R108
DSCL1
R13
Is there a same signal as G11 (0 - 3.3 V)?
No
Check the patterns in the path. Check IC1257.
No
Replace IC1257.
Yes
JA301 (Pin 16)
SDA(HDMI OUT)
G13
Does a signal output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA301.
No
Replace JA301.
Yes
JA301 (Pin 15)
SCL(HDMI OUT)
G14
Does a clock output in constant period (0 - 5 V)?
No
Check the patterns in the path. Check JA301.
No
Replace JA301.
Yes
R308
DSDA
G15
Is there a same signal as G13 (0 - 3.3 V)?
No
Check the patterns in the path. Check R358.
No
Replace Q953.
Yes
R307
DSCL
G16
Is there a same signal as G14 (0 - 3.3 V)?
No
Check the patterns in the path. Check R357.
No
Replace Q953.
Yes
D


D
*(94TXH/92TXH)
Step 3-6: TMDS(INPUT)
* When connected the source equipment to IN1/-.
IC1101 (Pins 27,28, 30,31,33,34,39,40)
TMDS(HDMI IN1/--) *
H1
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
VSX-94TXH only
Check the soldering of JA1101.
No
Replace JA1101.
Yes
* When connected the source equipment to IN2/1.
IC1101 (Pins 3,4, 6,7,9,10,45,46)
TMDS(HDMI IN2/HDMI IN1) *
H1
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of JA1102.
No
Replace JA1102.
Yes
* When connected the source equipment to IN1,2/-,1.
IC101 (Pins 39,40, 43,44,47,48,51,52)
TMDS(Rx0)
D1
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of IC1101.
No
Replace IC1101.
Yes
* When connected the source equipment to IN3/2.
IC1151 (Pins 27,28, 30,31,33,34,39,40)
TMDS(HDMI IN3/HDMI IN2) *
H2
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of JA1151.
No
Replace JA1151.
Yes
* When connected the source equipment to IN4/3.
IC1151 (Pins 3,4,6, 7,9,10,45,46)
TMDS(HDMI IN4/HDMI IN3) *
H2
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of JA1152.
No
Replace JA1152.
Yes
* When connected the source equipment to IN3,4/2,3.
IC101 (Pins 57,58, 61,62,65,66,69,70)
TMDS(Rx1)
D1
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the soldering of IC1151.
No
Replace IC1151.
Yes
Step 3-7: TMDS(OUTPUT)
JA301(Pins 1,3,4,6, 7,9,10,12)
TMDS(HDMI OUT)
E9
Do signals (approx. 0.5 Vp-p) run in all the lines?
No
Check the parts and patterns in the path (IC301 - JA301).
No
Replace IC301.
Yes
Step 3-8: AUDIO CLK,DATA (HDMI, AMP MODE)
IC203(Pin 2)
HDSPDIF
(DVD Dolby Digital)
J1
Is there a DATA?
No
Check the parts and patterns in the path (IC101 - IC203).
No
Replace IC101.
Yes
IC205(Pin 2)
SPDIF
J2
Is there a DATA?
No
Check the parts and patterns in the path (IC203 - IC205). Check the soldering of IC203, L203 and R208.
No
Replace IC203.
Yes
IC201(Pin 9)
SPDIF
J3
Is there a DATA?
No
Check the parts and patterns in the path (IC205 - IC201). Check the soldering of IC203, L203 and R208.
No
Replace IC205.
Yes
CN1001(Pin 6)
SPDIFO
J4
Is there a DATA?
No
Check the parts and patterns in the path (IC201 - CN1001). Check the soldering of IC201, L207, Control Signal.
No
Replace IC201.
Yes
IC201(Pin 9)
Is there a DATA?
No
Check the parts and patterns in the path (IC101 - IC201).
No
Replace IC101.
Yes
E

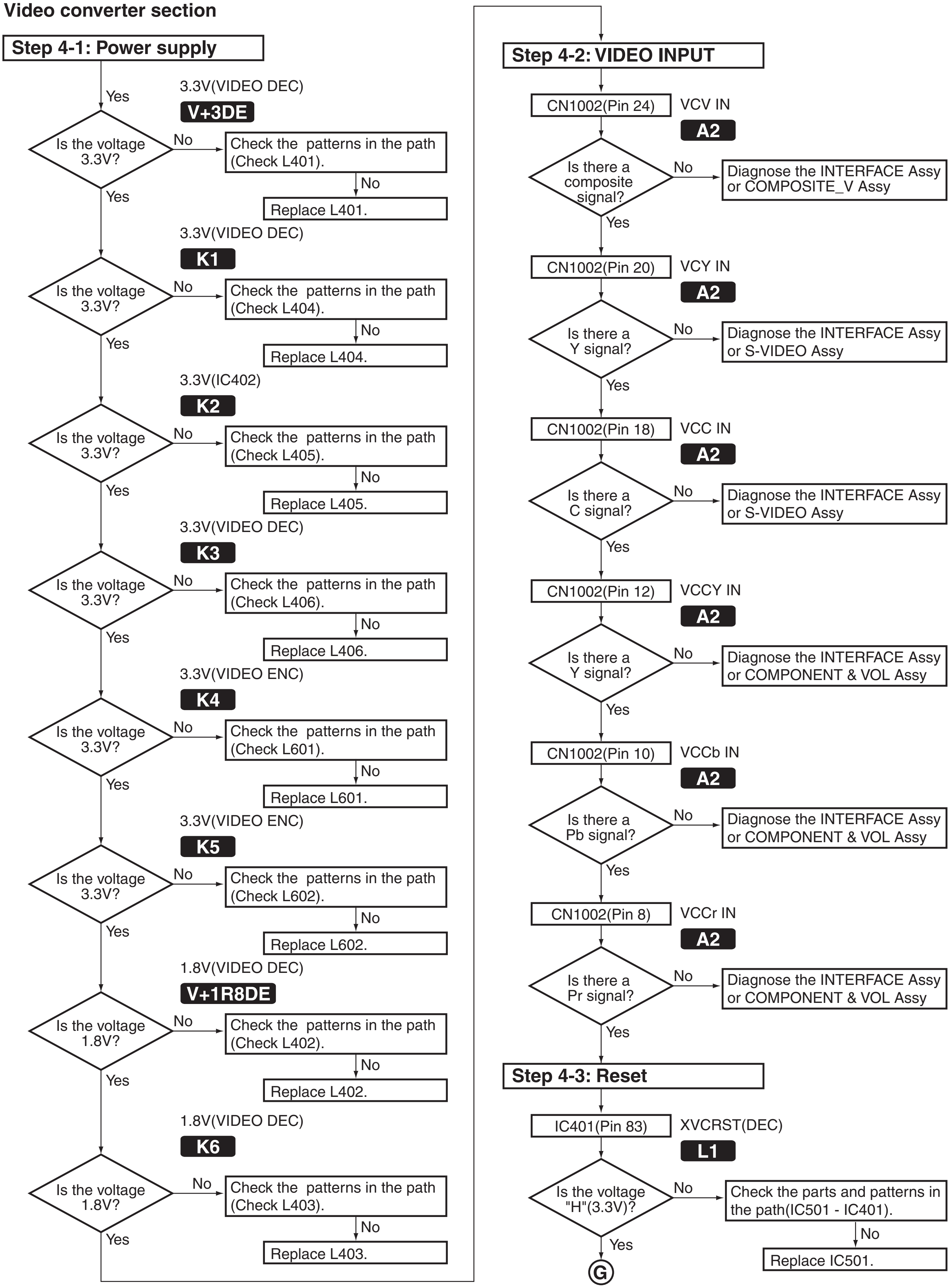

E
IC202(Pin 1)
HDMCLK
(DVD-A/Multi ch)
J5
Is there a CLK?
No
Check the parts and patterns in the path (IC101 - IC202).
No
Replace IC101.
Yes
IC204(Pin 2)
MCLK
J6
Is there a CLK?
No
Check the parts and patterns in the path (IC202 - IC204). Check the soldering of IC202, L201.
No
Replace IC202.
Yes
IC201(Pin 2)
MCLK
J3
Is there a CLK?
No
Check the parts and patterns in the path (IC204 - IC201). Check the soldering of IC204, L202, Q201.
No
Replace IC204.
Yes
IC1001(Pin 15)
MCLKO
J4
Is there a CLK?
No
Check the parts and patterns in the path (IC201 - CN1001). Check the soldering of IC201, L207, Control Signal.
Yes
IC201(Pins 7,8)
WS.SCK
J3
Is there a CLK?
No
Check the parts and patterns in the path (IC101 - IC201).
No
Replace IC101.
Yes
IC201(Pins 3,4,5,6)
SD0-3
(DVD-A/Multi ch)
J3
Is there a DATA?
No
Check the parts and patterns in the path (IC101 - IC201).
No
Replace IC101.
Yes
CN1001 (Pins 12,13)
BCKO,LRCKO
A1
Is there a CLK?
No
Check the parts and patterns in the path (IC201 - CN1001). Check the soldering of IC201, L207, Control Signal.
No
Replace IC201.
Yes
CN1001 (Pins 8-11)
SD0-3O
A1
Is there a DATA?
No
Check the parts and patterns in the path (IC201 - CN1001). Check the soldering of IC201, L207, Control Signal.
No
Replace IC201.
Yes
CN1001(Pin 17)
HDMUTE
A1
Is the voltage "L" (0 V)?
No
Check the parts and patterns in the path (IC501 - CN1001).
No
Replace IC501.
Yes
Diagnose the INTERFACE ASSY or DIGITAL MOTHER ASSY or DSP ASSY.

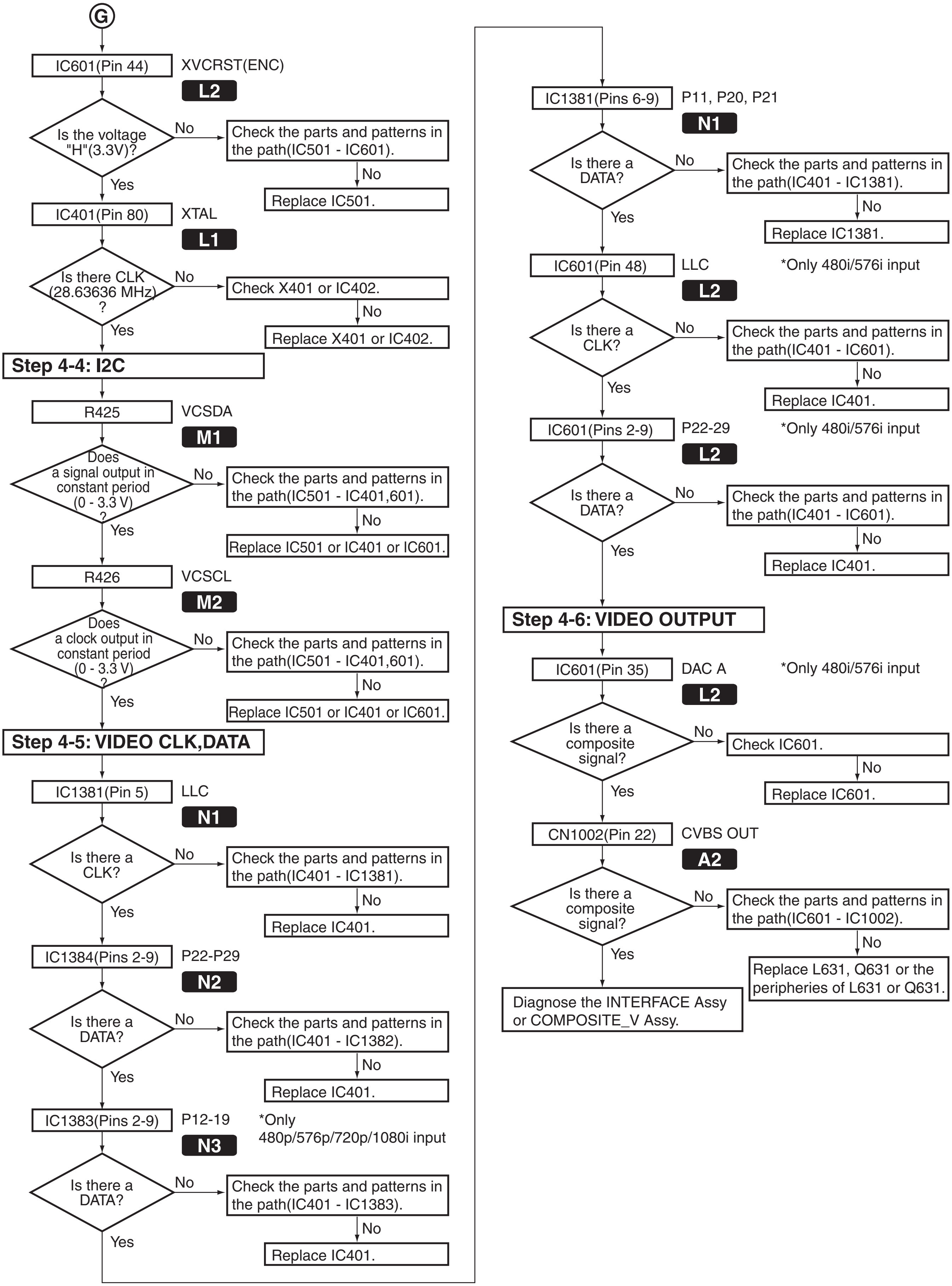
Step 3-9: AUDIO CLK DATA (HDMI, THROUGH MODE, ANALOG VIDEO FUNCTION)

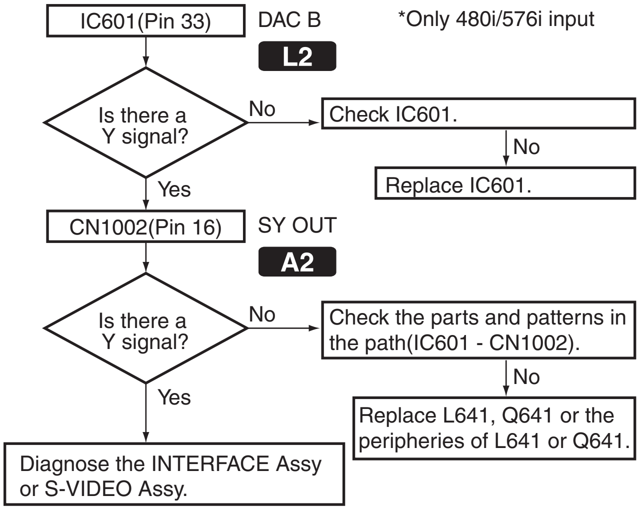
CN1002(Pin 29)
HTMCK
A2
Is there a CLK?
No
Diagnosis the INTERFACE ASSY or DIGITAL MOTHER ASSY.
Yes
CN1002(Pins 26,28)
THLRCK, THBCK
A2
Is there a CLK?
No
Diagnosis the INTERFACE ASSY or DIGITAL MOTHER ASSY.
Yes
CN1002(Pin 27)
THDATA
A2
Is there a DATA?
No
Diagnosis the INTERFACE ASSY or DIGITAL MOTHER ASSY.
Yes
IC301(Pin 5)
MCLK
D2
Is there a CLK?
No
Check the parts and patterns in the path (CN1002 - IC251 and IC251 - IC301).
No
Replace IC251.
Yes
F

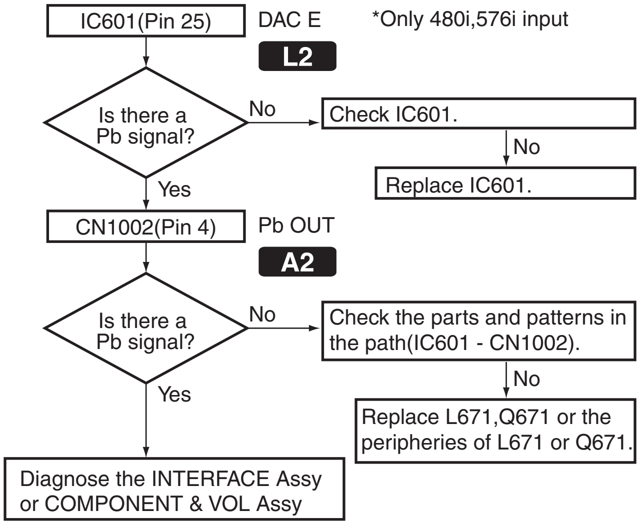

F
IC301(Pins 10,11)
WS, SCK
D2
Is there a CLK?
No
Check the parts and patterns in the path (CN1002 - IC251 and IC251 - IC301).
No
Replace IC251.
Yes
IC301(Pin 9)
SD0
D2
Is there a Data?
No
Check the parts and patterns in the path (CN1002 - IC251 and IC251 - IC301).
No
Replace IC251.
Yes
TO STEP 4-1

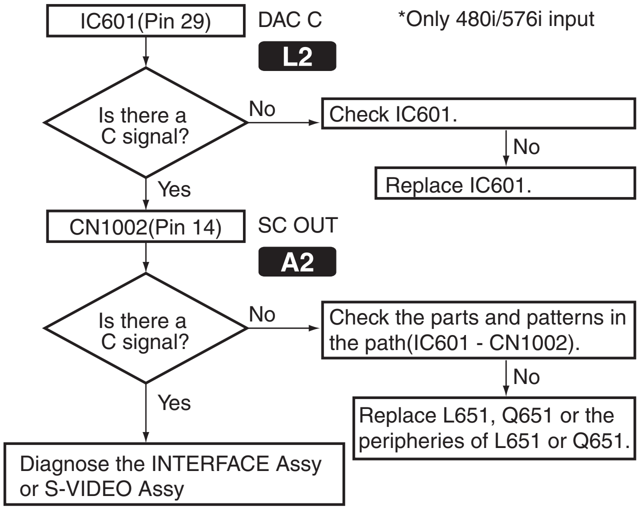
Video converter section

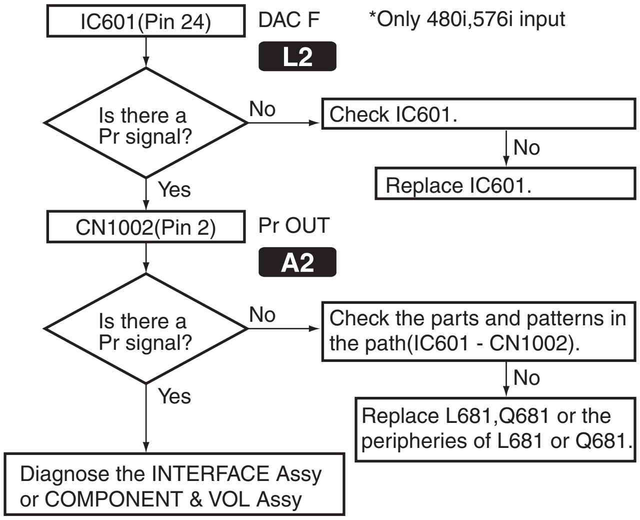

Step 4-1: Power supply
Yes
3.3V(VIDEO DEC)
V+3DE
Is the voltage 3.3V?
No
Check the patterns in the path (Check L401).
No
Replace L401.
Yes
3.3V(VIDEO DEC)
K1
Is the voltage 3.3V?
No
Check the patterns in the path (Check L404).
No
Replace L404.
Yes
3.3V(IC402)
K2
Is the voltage 3.3V?
No
Check the patterns in the path (Check L405).
No
Replace L405.
Yes
3.3V(VIDEO DEC)
K3
Is the voltage 3.3V?
No
Check the patterns in the path (Check L406).
No
Replace L406.
Yes
3.3V(VIDEO ENC)
K4
Is the voltage 3.3V?
No
Check the patterns in the path (Check L601).
No
Replace L601.
Yes
3.3V(VIDEO ENC)
K5
Is the voltage 3.3V?
No
Check the patterns in the path (Check L602).
No
Replace L602.
Yes
1.8V(VIDEO DEC)
V+1R8DE
Is the voltage 1.8V?
No
Check the patterns in the path (Check L402).
No
Replace L402.
Yes
1.8V(VIDEO DEC)
K6
Is the voltage 1.8V?
No
Check the patterns in the path (Check L403).
No
Replace L403.
Yes
Step 4-2: VIDEO INPUT
CN1002(Pin 24)
VCV IN
A2
Is there a composite signal?
No
Diagnose the INTERFACE Assy or COMPOSITE_V Assy
Yes
CN1002(Pin 20)
VCY IN
A2
Is there a Y signal?
No
Diagnose the INTERFACE Assy or S-VIDEO Assy
Yes
CN1002(Pin 18)
VCC IN
A2
Is there a C signal?
No
Diagnose the INTERFACE Assy or S-VIDEO Assy
Yes
CN1002(Pin 12)
VCCY IN
A2
Is there a Y signal?
No
Diagnose the INTERFACE Assy or COMPONENT & VOL Assy
Yes
CN1002(Pin 10)
VCCb IN
A2
Is there a Pb signal?
No
Diagnose the INTERFACE Assy or COMPONENT & VOL Assy
Yes
CN1002(Pin 8)
VCCr IN
A2
Is there a Pr signal?
No
Diagnose the INTERFACE Assy or COMPONENT & VOL Assy
Yes
Step 4-3: Reset
IC401(Pin 83)
XVCRST(DEC)
L1
Is the voltage "H"(3.3V)?
No
Check the parts and patterns in the path(IC501 - IC401).
No
Replace IC501.
Yes
G

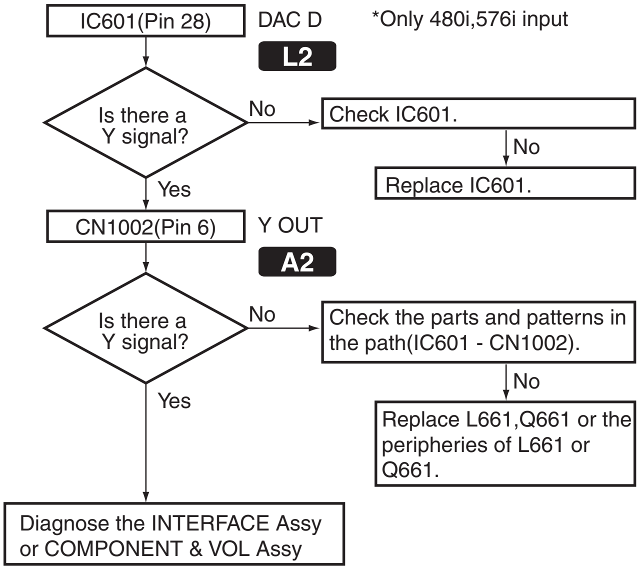

G
IC601(Pin 44)
XVCRST(ENC)
L2
Is the voltage "H"(3.3V)?
No
Check the parts and patterns in the path(IC501 - IC601).
No
Replace IC501.
Yes
IC401(Pin 80)
XTAL
L1
Is there CLK (28.63636 MHz) ?
No
Check X401 or IC402.
No
Replace X401 or IC402.
Yes
Step 4-4: I2C
R425
VCSDA
M1
Does a signal output in constant period (0 - 3.3 V) ?
No
Check the parts and patterns in the path(IC501 - IC401,601).
No
Replace IC501 or IC401 or IC601.
Yes
R426
VCSCL
M2
Does a clock output in constant period (0 - 3.3 V) ?
No
Check the parts and patterns in the path(IC501 - IC401,601).
No
Replace IC501 or IC401 or IC601.
Yes
Step 4-5: VIDEO CLK,DATA
IC1381(Pin 5)
LLC
N1
Is there a CLK?
No
Check the parts and patterns in the path(IC401 - IC1381).
No
Replace IC401.
Yes
IC1384(Pins 2-9)
P22-P29
N2
Is there a DATA?
No
Check the parts and patterns in the path(IC401 - IC1382).
No
Replace IC401.
Yes
IC1383(Pins 2-9)
P12-19
N3
*Only 480p/576p/720p/1080i input
Is there a DATA?
No
Check the parts and patterns in the path(IC401 - IC1383).
No
Replace IC401.
Yes
IC1381(Pins 6-9)
P11, P20, P21
N1
Is there a DATA?
No
Check the parts and patterns in the path(IC401 - IC1381).
No
Replace IC1381.
Yes
IC601(Pin 48)
LLC
*Only 480i/576i input
L2
Is there a CLK?
No
Check the parts and patterns in the path(IC401 - IC601).
No
Replace IC401.
Yes
IC601(Pins 2-9)
P22-29
*Only 480i/576i input
L2
Is there a DATA?
No
Check the parts and patterns in the path(IC401 - IC601).
No
Replace IC401.
Yes
Step 4-6: VIDEO OUTPUT
IC601(Pin 35)
DAC A
*Only 480i/576i input
L2
Is there a composite signal?
No
Check IC601.
No
Replace IC601.
Yes
CN1002(Pin 22)
CVBS OUT
A2
Is there a composite signal?
No
Check the parts and patterns in the path(IC601 - IC1002).
No
Replace L631, Q631 or the peripheries of L631 or Q631.
Yes
Diagnose the INTERFACE Assy or COMPOSITE_V Assy.


IC601(Pin 33)
DAC B
*Only 480i/576i input
L2
Is there a Y signal?
No
Check IC601.
No
Replace IC601.
Yes
CN1002(Pin 16)
SY OUT
A2
Is there a Y signal?
No
Check the parts and patterns in the path(IC601 - CN1002).
No
Replace L641, Q641 or the peripheries of L641 or Q641.
Yes
Diagnose the INTERFACE Assy or S-VIDEO Assy.

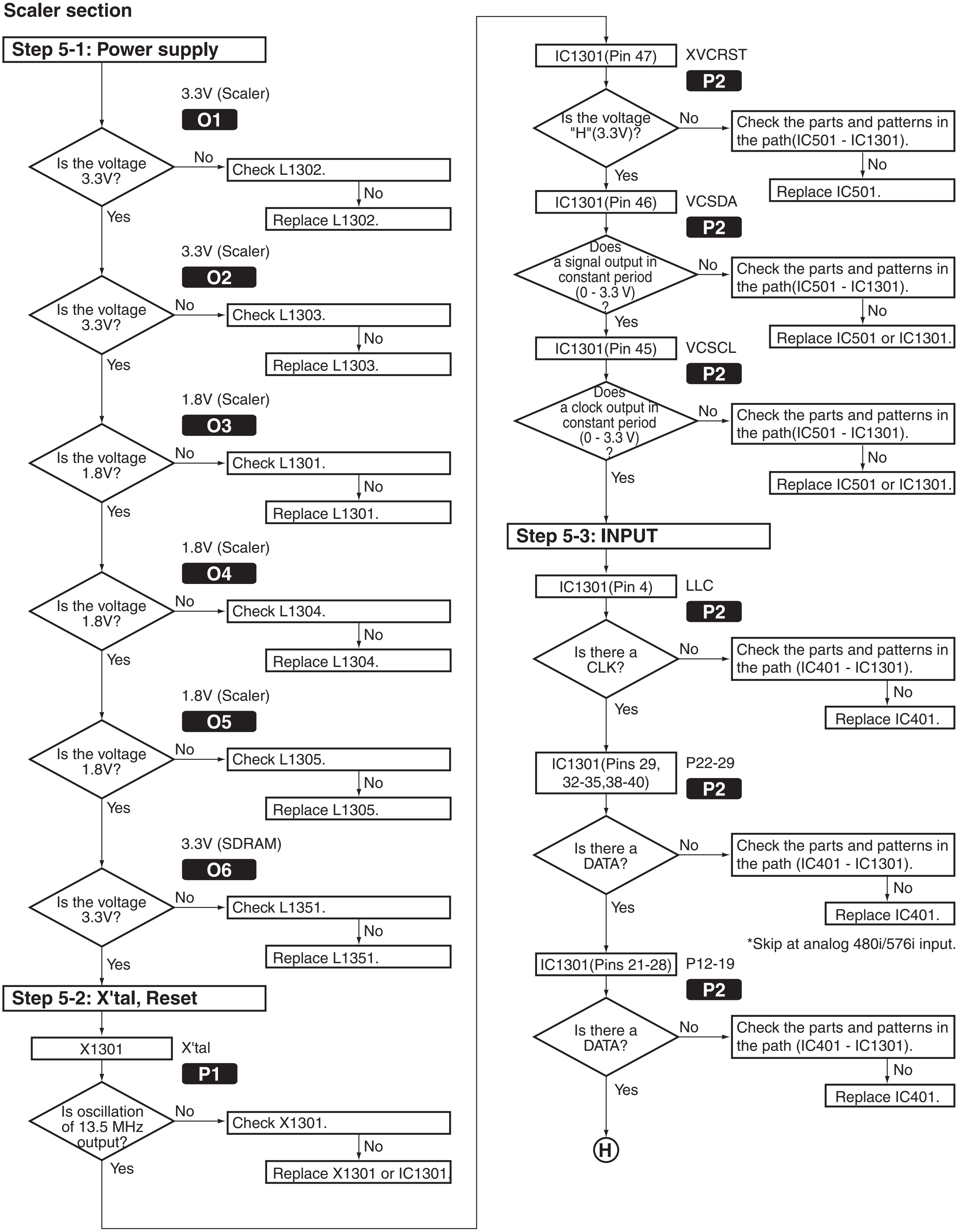

IC601(Pin 25)
DAC E
*Only 480i,576i input
L2
Is there a Pb signal?
No
Check IC601.
No
Replace IC601.
Yes
CN1002(Pin 4)
Pb OUT
A2
Is there a Pb signal?
No
Check the parts and patterns in the path(IC601 - CN1002).
No
Replace L671,Q671 or the peripheries of L671 or Q671.
Yes
Diagnose the INTERFACE Assy or COMPONENT & VOL Assy

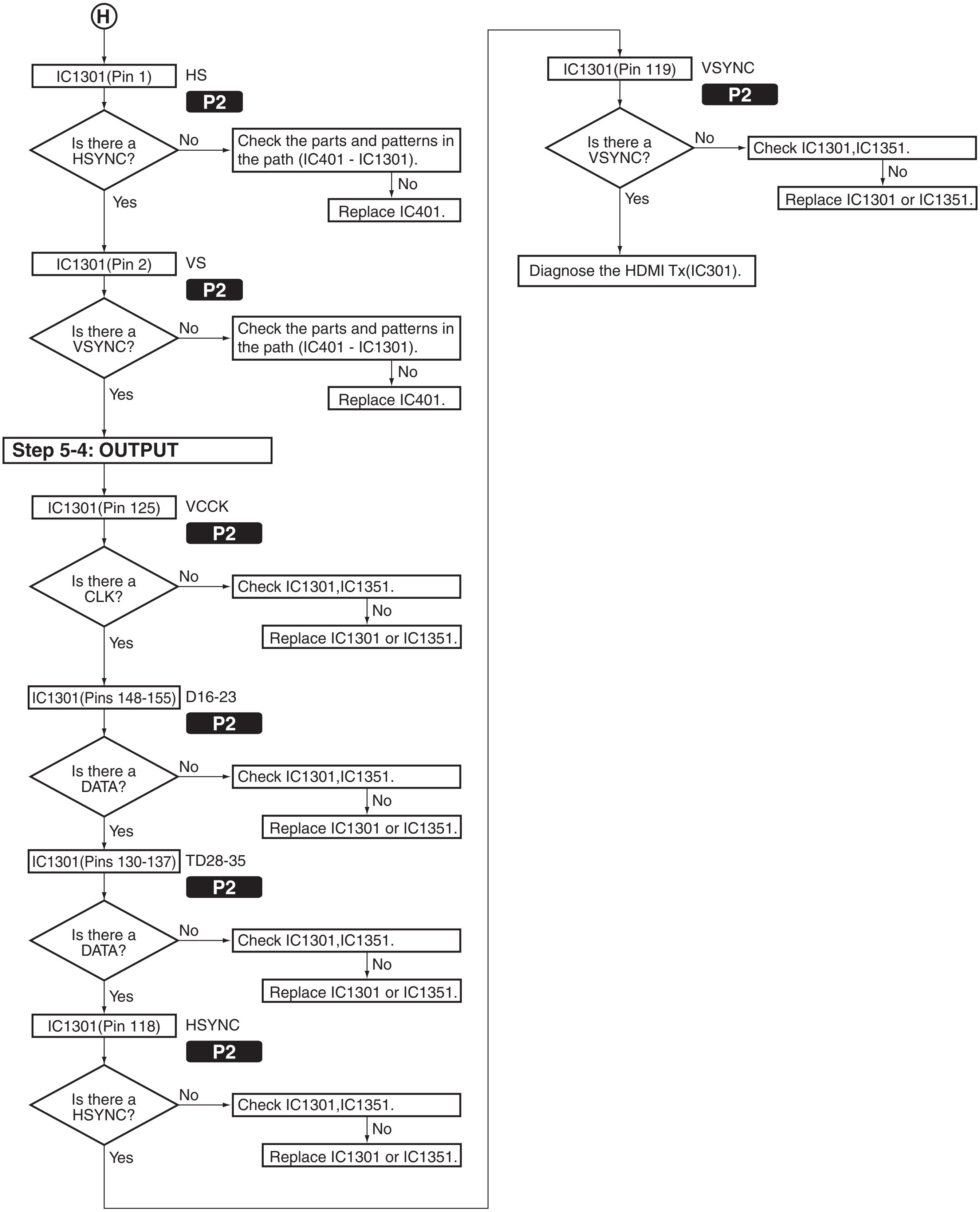

IC601(Pin 29)
DAC C
*Only 480i/576i input
L2
Is there a C signal?
No
Check IC601.
No
Replace IC601.
Yes
CN1002(Pin 14)
SC OUT
A2
Is there a C signal?
No
Check the parts and patterns in the path(IC601 - CN1002).
No
Replace L651, Q651 or the peripheries of L651 or Q651.
Yes
Diagnose the INTERFACE Assy or S-VIDEO Assy


IC601(Pin 24)
DAC F
*Only 480i,576i input
L2
Is there a Pr signal?
No
Check IC601.
No
Replace IC601.
Yes
CN1002(Pin 2)
Pr OUT
A2
Is there a Pr signal?
No
Check the parts and patterns in the path(IC601 - CN1002).
No
Replace L681,Q681 or the peripheries of L681 or Q681.
Yes
Diagnose the INTERFACE Assy or COMPONENT & VOL Assy


IC601(Pin 28)
DAC D
*Only 480i,576i input
L2
Is there a Y signal?
No
Check IC601.
No
Replace IC601.
Yes
CN1002(Pin 6)
Y OUT
A2
Is there a Y signal?
No
Check the parts and patterns in the path(IC601 - CN1002).
No
Replace L661,Q661 or the peripheries of L661 or Q661.
Yes
Diagnose the INTERFACE Assy or COMPONENT & VOL Assy

Scaler section


Step 5-1: Power supply
3.3V (Scaler)
O1
Is the voltage 3.3V?
No
Check L1302.
No
Replace L1302.
Yes
3.3V (Scaler)
O2
Is the voltage 3.3V?
No
Check L1303.
No
Replace L1303.
Yes
1.8V (Scaler)
O3
Is the voltage 1.8V?
No
Check L1301.
No
Replace L1301.
Yes
1.8V (Scaler)
O4
Is the voltage 1.8V?
No
Check L1304.
No
Replace L1304.
Yes
1.8V (Scaler)
O5
Is the voltage 1.8V?
No
Check L1305.
No
Replace L1305.
Yes
3.3V (SDRAM)
O6
Is the voltage 3.3V?
No
Check L1351.
No
Replace L1351.
Yes
Step 5-2: X'tal, Reset
X1301
X'tal
P1
Is oscillation of 13.5 MHz output?
No
Check X1301.
No
Replace X1301 or IC1301.
Yes
IC1301(Pin 47)
XVCRST
P2
Is the voltage "H"(3.3V)?
No
Check the parts and patterns in the path(IC501 - IC1301).
No
Replace IC501.
Yes
IC1301(Pin 46)
VCSDA
P2
Does a signal output in constant period (0 - 3.3 V)?
No
Check the parts and patterns in the path(IC501 - IC1301).
No
Replace IC501 or IC1301.
Yes
IC1301(Pin 45)
VCSCL
P2
Does a clock output in constant period (0 - 3.3 V)?
No
Check the parts and patterns in the path(IC501 - IC1301).
No
Replace IC501 or IC1301.
Yes
Step 5-3: INPUT
IC1301(Pin 4)
LLC
P2
Is there a CLK?
No
Check the parts and patterns in the path (IC401 - IC1301).
No
Replace IC401.
Yes
IC1301(Pins 29, 32-35,38-40)
P22-29
P2
Is there a DATA?
No
Check the parts and patterns in the path (IC401 - IC1301).
No
Replace IC401.
Yes
*Skip at analog 480i/576i input.
IC1301(Pins 21-28)
P12-19
P2
Is there a DATA?
No
Check the parts and patterns in the path (IC401 - IC1301).
No
Replace IC401.
Yes
H

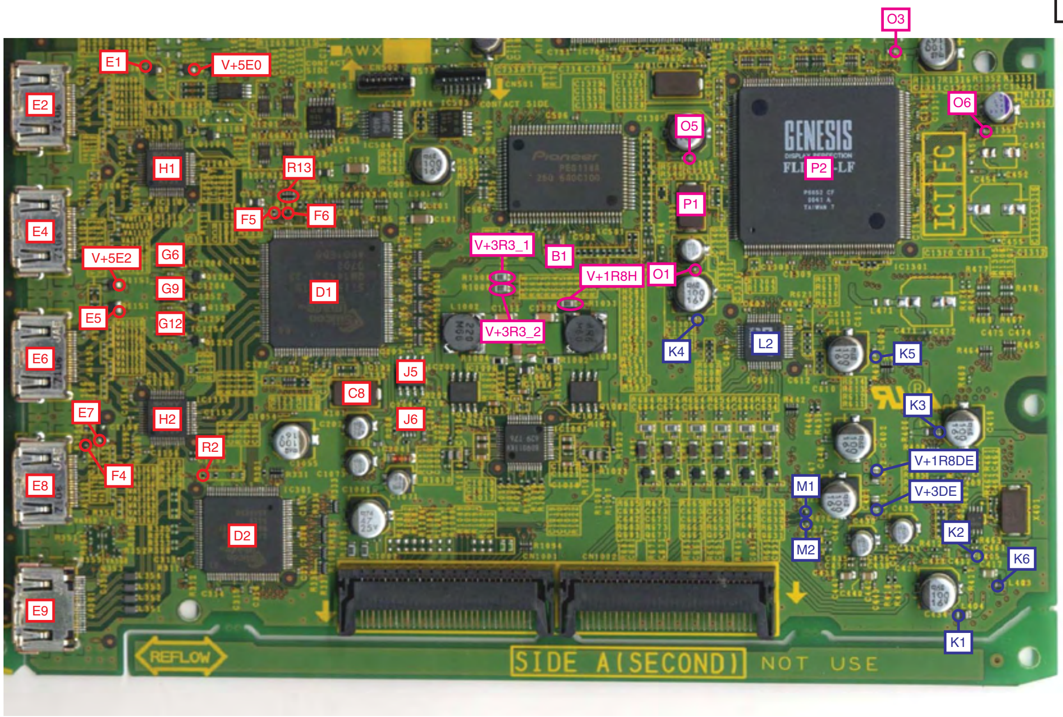

H
IC1301(Pin 1)
HS
P2
Is there a HSYNC?
No
Check the parts and patterns in the path (IC401 - IC1301).
No
Replace IC401.
Yes
IC1301(Pin 2)
VS
P2
Is there a VSYNC?
No
Check the parts and patterns in the path (IC401 - IC1301).
No
Replace IC401.
Yes
Step 5-4: OUTPUT
IC1301(Pin 125)
VCCK
P2
Is there a CLK?
No
Check IC1301,IC1351.
No
Replace IC1301 or IC1351.
Yes
IC1301(Pins 148-155)
D16-23
P2
Is there a DATA?
No
Check IC1301,IC1351.
No
Replace IC1301 or IC1351.
Yes
IC1301(Pins 130-137)
TD28-35
P2
Is there a DATA?
No
Check IC1301,IC1351.
No
Replace IC1301 or IC1351.
Yes
IC1301(Pin 118)
HSYNC
P2
Is there a HSYNC?
No
Check IC1301,IC1351.
No
Replace IC1301 or IC1351.
Yes
IC1301(Pin 119)
VSYNC
P2
Is there a VSYNC?
No
Check IC1301,IC1351.
No
Replace IC1301 or IC1351.
Yes
Diagnose the HDMI Tx(IC301).

■ HDMI & DLNA Assy Check Points

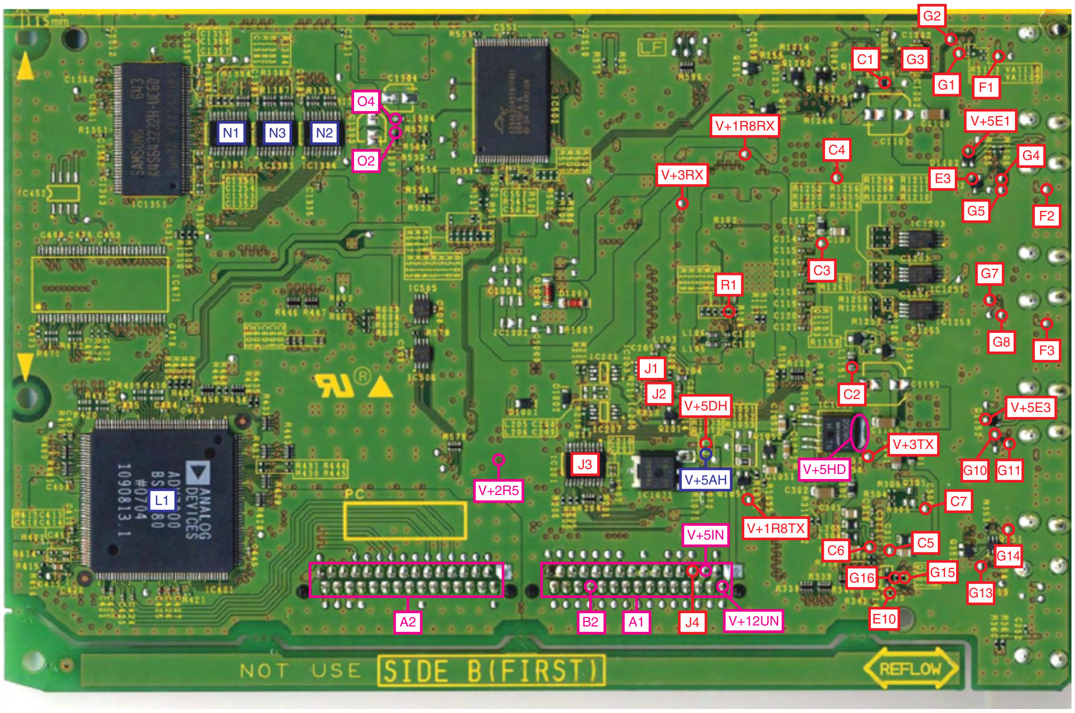
AJ HDMI & DLNA ASSY

🟪 Commonness 🟥 HDMI 🟦 Video Converter

SIDE A

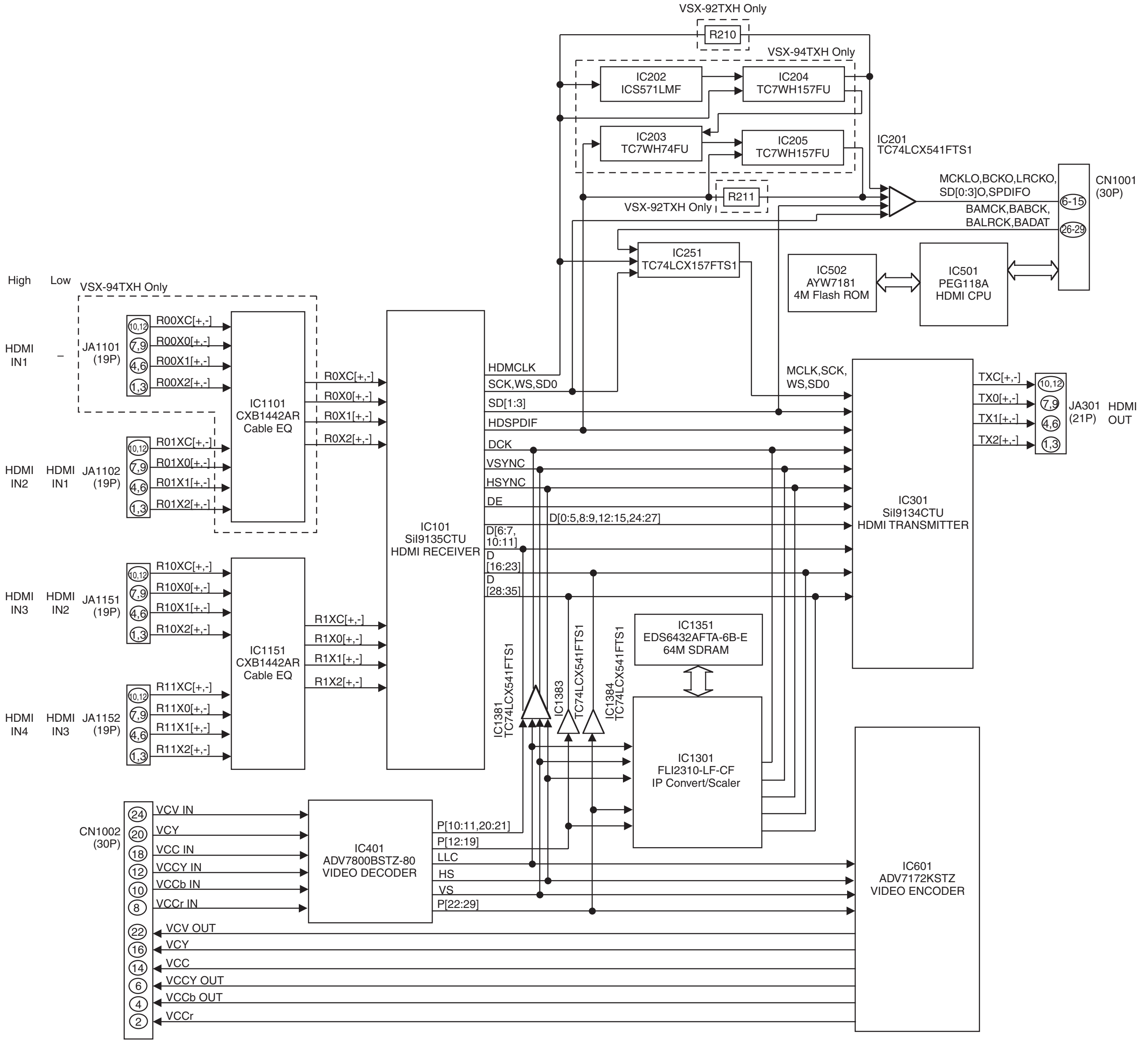

O3
E1
V+5E0
E2
O5
O6
H1
R13
P2
GENESIS
P1
F5
F6
E4
V+5E2
G6
V+3R3_1
B1
V+1R8H
O1
G9
D1
E5
G12
V+3R3_2
K4
L2
K5
E6
J5
C8
J6
K3
E7
H2
R2
V+1R8DE
F4
E8
M1
V+3DE
K2
M2
D2
K6
E9
K1
REFLOW
SIDE A(SECOND)
NOT USE

SIDE B


G2
C1
G3
G1
F1
O4
N1
N3
N2
O2
V+1R8RX
V+5E1
C4
G4
V+3RX
E3
G5
F2
C3
G7
R1
G8
F3
J1
J2
V+5DH
C2
V+5E3
V+3TX
J3
V+5AH
V+5HD
G10
G11
V+2R5
L1
ANALOG DEVICES
C7
V+5IN
V+1R8TX
C5
C6
G14
G16
G15
G13
A2
B2
A1
J4
V+12UN
E10
NOT USE
SIDE B(FIRST)
REFLOW

Note : The above photograph is VSX-94TXH. HDMI/DVC block of VSX-92TXH is the same layout.

■ HDMI & DVC Block Diagram


VSX-92TXH Only
R210
VSX-94TXH Only
IC202
ICS571LMF
IC204
TC7WH157FU
IC203
TC7WH74FU
IC205
TC7WH157FU
IC201
TC74LCX541FTS1
R211
VSX-92TXH Only
MCKLO,BCKO,LRCKO,
SD[0:3]O,SPDIFO
BAMCK,BABCK,
BALRCK,BADAT
CN1001
(30P)
6-15
26-29
IC251
TC74LCX157FTS1
IC502
AYW7181
4M Flash ROM
IC501
PEG118A
HDMI CPU
High
Low
VSX-94TXH Only
HDMI
IN1
–
JA1101
(19P)
10,12
7,9
4,6
1,3
R00XC[+,-]
R00X0[+,-]
R00X1[+,-]
R00X2[+,-]
IC1101
CXB1442AR
Cable EQ
R0XC[+,-]
R0X0[+,-]
R0X1[+,-]
R0X2[+,-]
HDMI
IN2
HDMI
IN1
JA1102
(19P)
R01XC[+,-]
R01X0[+,-]
R01X1[+,-]
R01X2[+,-]
IC101
SiI9135CTU
HDMI RECEIVER
HDMCLK
SCK,WS,SD0
SD[1:3]
HDSPDIF
DCK
VSYNC
HSYNC
DE
D[0:5,8:9,12:15,24:27]
D[6:7,
10:11]
D
[16:23]
D
[28:35]
MCLK,SCK,
WS,SD0
IC301
SiI9134CTU
HDMI TRANSMITTER
TXC[+,-]
TX0[+,-]
TX1[+,-]
TX2[+,-]
JA301
(21P)
HDMI
OUT
HDMI
IN3
HDMI
IN2
JA1151
(19P)
R10XC[+,-]
R10X0[+,-]
R10X1[+,-]
R10X2[+,-]
IC1151
CXB1442AR
Cable EQ
R1XC[+,-]
R1X0[+,-]
R1X1[+,-]
R1X2[+,-]
HDMI
IN4
HDMI
IN3
JA1152
(19P)
R11XC[+,-]
R11X0[+,-]
R11X1[+,-]
R11X2[+,-]
IC1381
TC74LCX541FTS1
IC1383
TC74LCX541FTS1
IC1384
TC74LCX541FTS1
IC1351
EDS6432AFTA-6B-E
64M SDRAM
IC1301
FLI2310-LF-CF
IP Convert/Scaler
CN1002
(30P)
24
20
18
12
10
8
VCV IN
VCY
VCC IN
VCCY IN
VCCb IN
VCCr IN
IC401
ADV7800BSTZ-80
VIDEO DECODER
P[10:11,20:21]
P[12:19]
LLC
HS
VS
P[22:29]
IC601
ADV7172KSTZ
VIDEO ENCODER
22
16
14
6
4
2
VCV OUT
VCY
VCC
VCCY OUT
VCCb OUT
VCCr

Note : The above Block Diagram is VSX-92TXH. HDMI/DVC block of VSX-94TXH is the same layout.

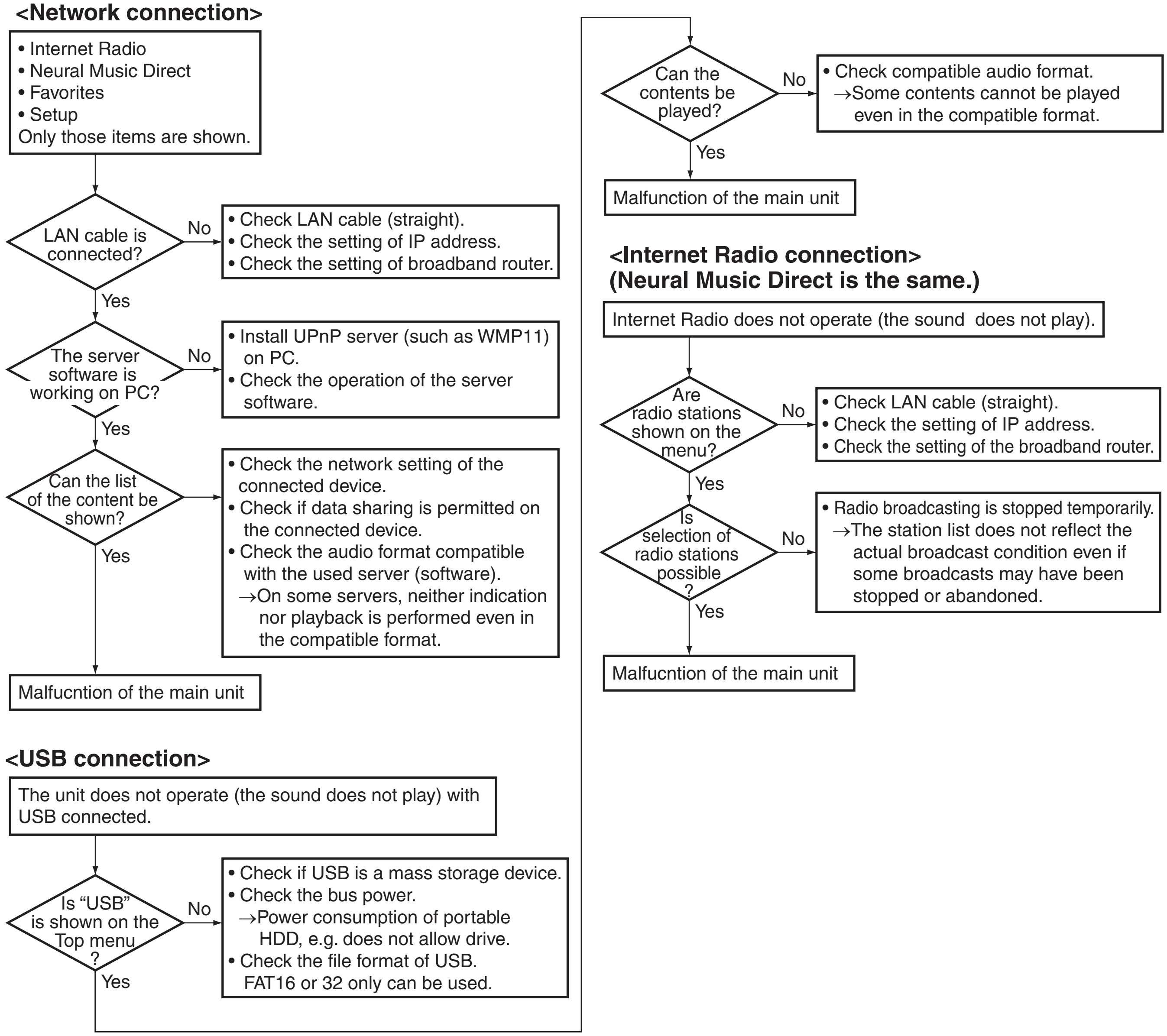
5.1.3 DIAGNOSIS OF THE NETWORK BLOCK

1.Constitution of network function

CD --- ..... -- HDMI4 ---- HOME MEDIA GALLERY -- XM RADIO

- USB
- Internet Radio
- Neural Music Direct → Internet radio run by Neural
- Servier1
- Servier2
- Servier3
- Favorites
- Setup
    - Information
        - Firmware Version → Indicates the version of the firmware.
        - MAC Address → Indicates MAC Address.
        - IP Address → Indicates IP Address.
        - Gateway IP → Indicates Gateway IP.
        - Proxy Server → Indicates if Proxy Server is valid or invalid.
        - Subnet Mask → Indicates Subnet Mask.
    - Network Setup

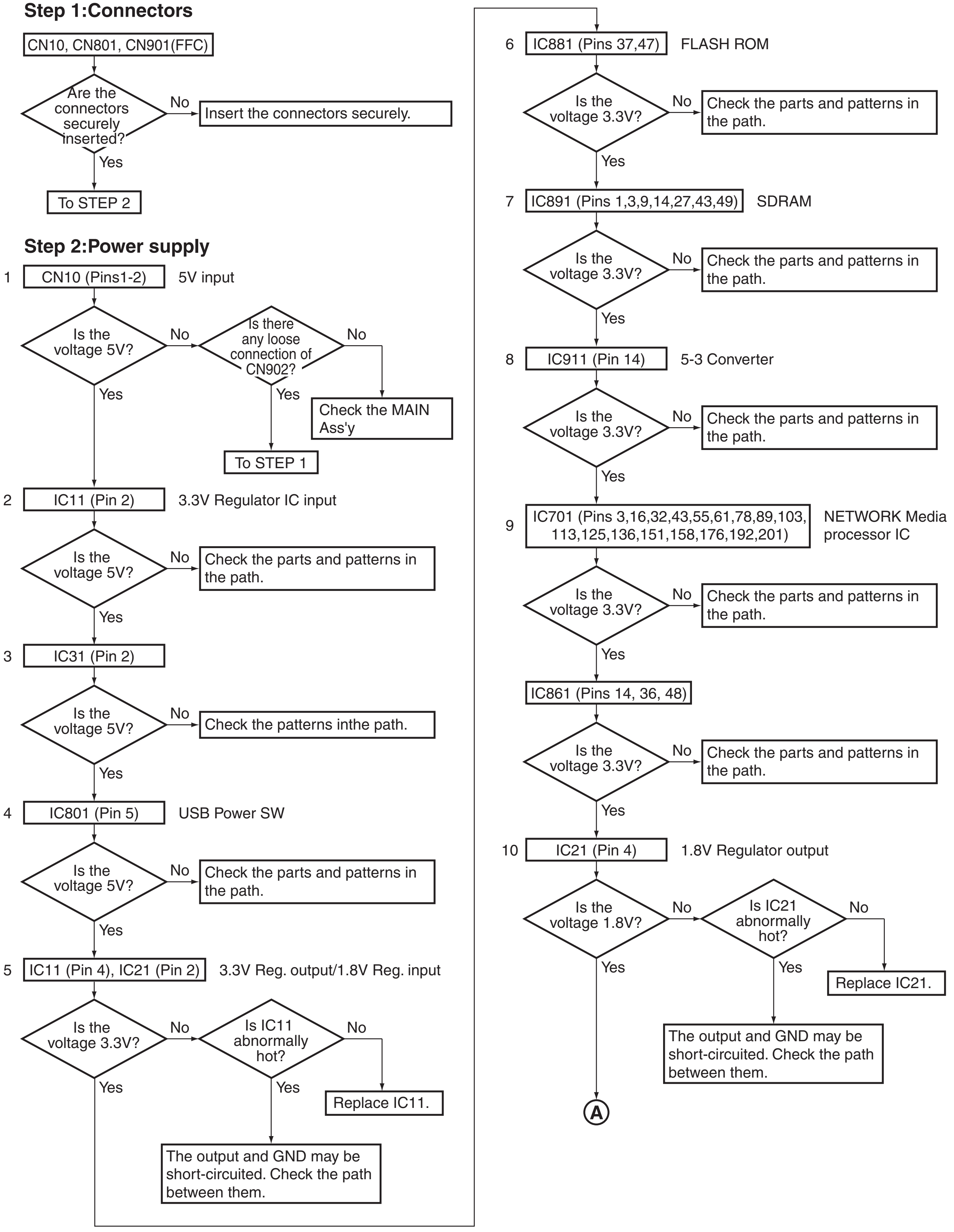
2.Flow chart for isolation of network malfunction

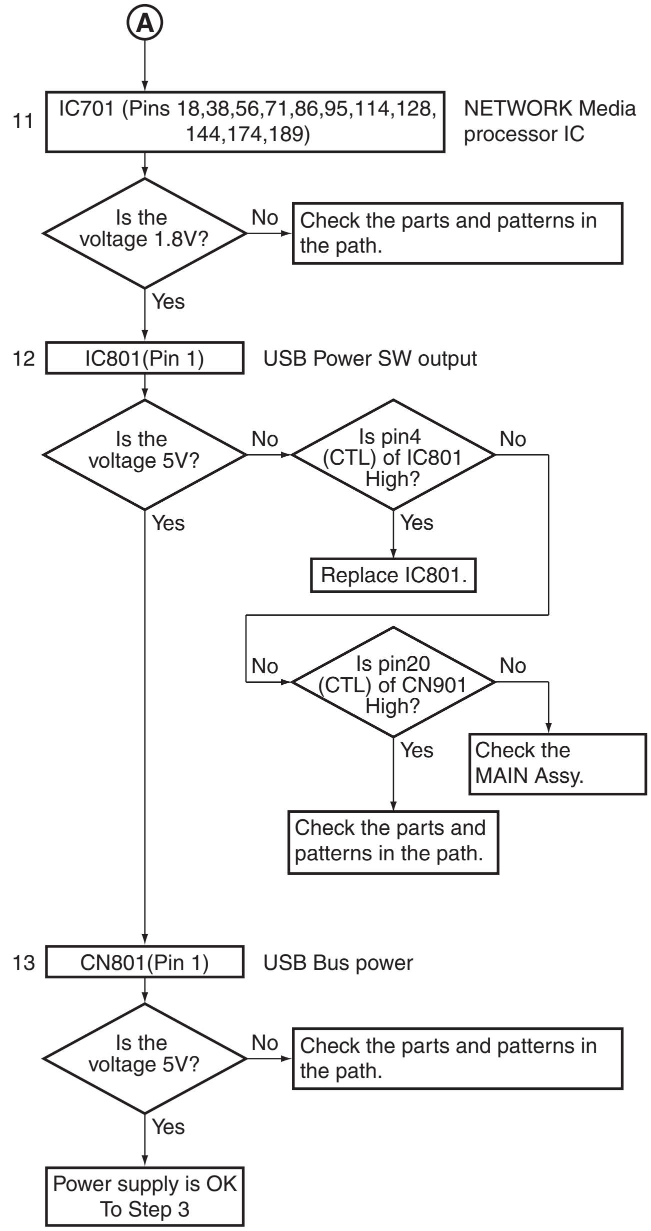

<Network connection>
• Internet Radio
• Neural Music Direct
• Favorites
• Setup
Only those items are shown.
LAN cable is connected?
No
• Check LAN cable (straight).
• Check the setting of IP address.
• Check the setting of broadband router.
Yes
The server software is working on PC?
No
• Install UPnP server (such as WMP11) on PC.
• Check the operation of the server software.
Yes
Can the list of the content be shown?
• Check the network setting of the connected device.
• Check if data sharing is permitted on the connected device.
• Check the audio format compatible with the used server (software).
→On some servers, neither indication nor playback is performed even in the compatible format.
Yes
Malfucntion of the main unit
<USB connection>
The unit does not operate (the sound does not play) with USB connected.
Is "USB" is shown on the Top menu ?
No
• Check if USB is a mass storage device.
• Check the bus power.
→Power consumption of portable HDD, e.g. does not allow drive.
• Check the file format of USB.
FAT16 or 32 only can be used.
Yes
Can the contents be played?
No
• Check compatible audio format.
→Some contents cannot be played even in the compatible format.
Yes
Malfunction of the main unit
<Internet Radio connection>
(Neural Music Direct is the same.)
Internet Radio does not operate (the sound does not play).
Are radio stations shown on the menu?
No
• Check LAN cable (straight).
• Check the setting of IP address.
• Check the setting of the broadband router.
Yes
Is selection of radio stations possible ?
No
• Radio broadcasting is stopped temporarily.
→The station list does not reflect the actual broadcast condition even if some broadcasts may have been stopped or abandoned.
Yes
Malfucntion of the main unit

■TROUBLESHOOTING THE NETWORK BLOCK

Step 1:Connectors

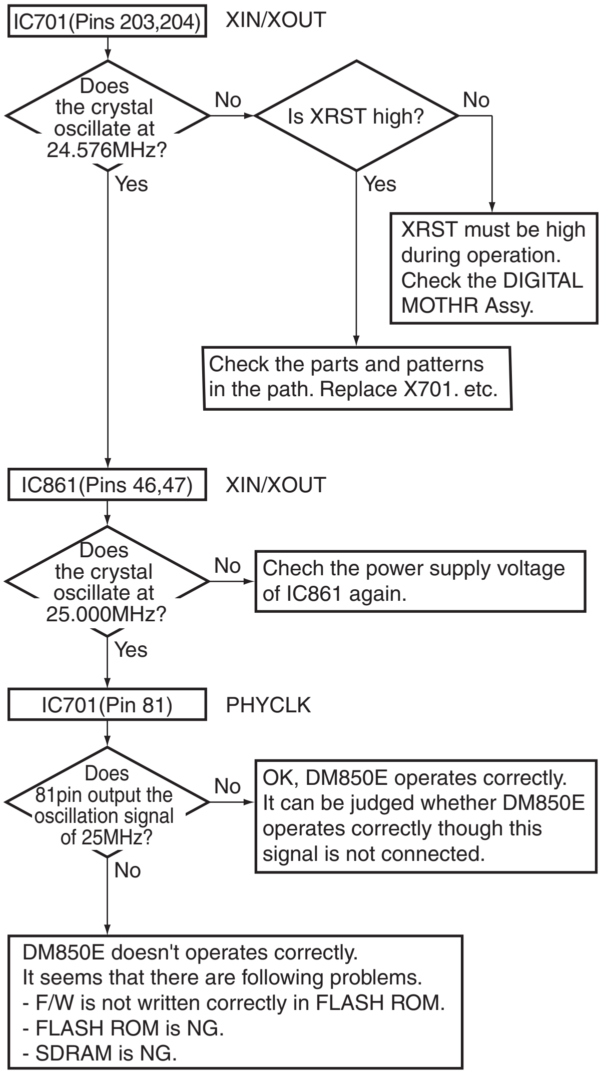
Step 2:Power supply


Step 1:Connectors
CN10, CN801, CN901(FFC)
Are the connectors securely inserted?
No
Insert the connectors securely.
Yes
To STEP 2
Step 2:Power supply
1
CN10 (Pins1-2)
5V input
Is the voltage 5V?
No
Is there any loose connection of CN902?
No
Check the MAIN Ass'y
Yes
To STEP 1
Yes
2
IC11 (Pin 2)
3.3V Regulator IC input
Is the voltage 5V?
No
Check the parts and patterns in the path.
Yes
3
IC31 (Pin 2)
Is the voltage 5V?
No
Check the patterns inthe path.
Yes
4
IC801 (Pin 5)
USB Power SW
Is the voltage 5V?
No
Check the parts and patterns in the path.
Yes
5
IC11 (Pin 4), IC21 (Pin 2)
3.3V Reg. output/1.8V Reg. input
Is the voltage 3.3V?
No
Is IC11 abnormally hot?
No
Replace IC11.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
6
IC881 (Pins 37,47)
FLASH ROM
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
7
IC891 (Pins 1,3,9,14,27,43,49)
SDRAM
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
8
IC911 (Pin 14)
5-3 Converter
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
9
IC701 (Pins 3,16,32,43,55,61,78,89,103, 113,125,136,151,158,176,192,201)
NETWORK Media processor IC
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
IC861 (Pins 14, 36, 48)
Is the voltage 3.3V?
No
Check the parts and patterns in the path.
Yes
10
IC21 (Pin 4)
1.8V Regulator output
Is the voltage 1.8V?
No
Is IC21 abnormally hot?
No
Replace IC21.
Yes
The output and GND may be short-circuited. Check the path between them.
Yes
Ⓐ


A
11
IC701 (Pins 18,38,56,71,86,95,114,128, 144,174,189)
NETWORK Media processor IC
Is the voltage 1.8V?
No
Check the parts and patterns in the path.
Yes
12
IC801(Pin 1)
USB Power SW output
Is the voltage 5V?
No
Is pin4 (CTL) of IC801 High?
No
Yes
Replace IC801.
Yes
No
Is pin20 (CTL) of CN901 High?
No
Check the MAIN Assy.
Yes
Check the parts and patterns in the path.
13
CN801(Pin 1)
USB Bus power
Is the voltage 5V?
No
Check the parts and patterns in the path.
Yes
Power supply is OK To Step 3

Step 3:Operation of Network Media processor IC

*Please confirm it with the USB memory connected for the content.


IC701(Pins 203,204)
XIN/XOUT
Does the crystal oscillate at 24.576MHz?
No
Is XRST high?
No
XRST must be high during operation. Check the DIGITAL MOTHR Assy.
Yes
Check the parts and patterns in the path. Replace X701. etc.
Yes
IC861(Pins 46,47)
XIN/XOUT
Does the crystal oscillate at 25.000MHz?
No
Chech the power supply voltage of IC861 again.
Yes
IC701(Pin 81)
PHYCLK
Does 81pin output the oscillation signal of 25MHz?
No
OK, DM850E operates correctly. It can be judged whether DM850E operates correctly though this signal is not connected.
No
DM850E doesn't operates correctly.
It seems that there are following problems.
- F/W is not written correctly in FLASH ROM.
- FLASH ROM is NG.
- SDRAM is NG.

Step 4 : Communication between DM850E and System CPU

The signal shown by following fig are communication line of DM850E and main CPU(IC101).
Confirm the connection of the signals along these routes.

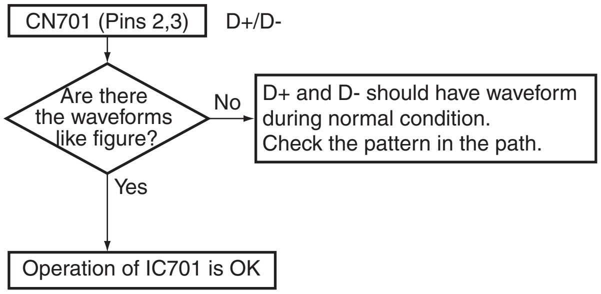
fig. 1

	CN901	IC911 (5V→3V)		IC701
XRST	Pin 1	Pin 12	Pin 11	Pin 190
SPI CS	Pin 10	Pin 2	Pin 3	Pin 143
SPI CLK	Pin 3	Pin 5	Pin 6	Pin 141
SPI TX	Pin 8	Pin 9	Pin 8	Pin 147

fig. 2

	IC701	IC921 (3V→5V)		CN901
SPI RX	Pin 146	Pin 9	Pin 8	Pin 7
SPI REQ	Pin 100	Pin 5	Pin 6	Pin 9

Step 5 :Communication between DM850E and System CPU


CN701 (Pins 2,3)
D+/D-
Are there the waveforms like figure?
No
D+ and D- should have waveform during normal condition. Check the pattern in the path.
Yes
Operation of IC701 is OK

Step 6 : Audio Output

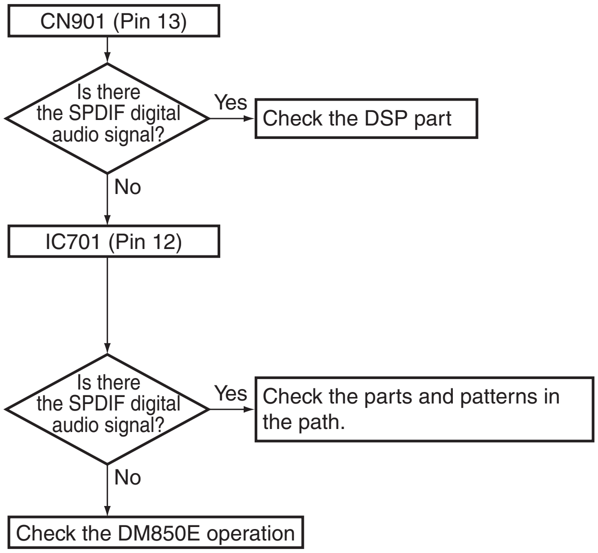
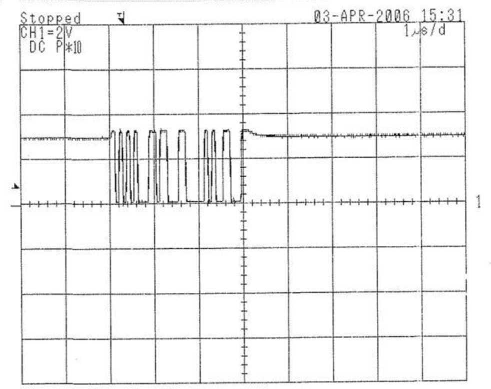
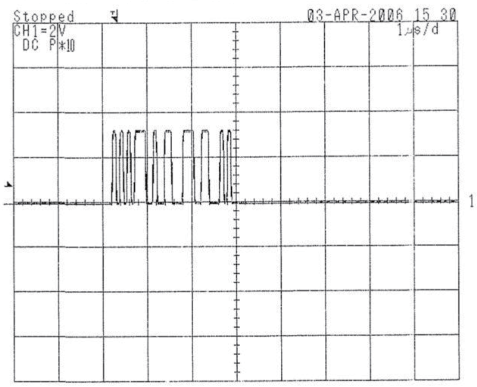

CN901 (Pin 13)
Is there the SPDIF digital audio signal?
Yes
Check the DSP part
No
IC701 (Pin 12)
Is there the SPDIF digital audio signal?
Yes
Check the parts and patterns in the path.
No
Check the DM850E operation

fig. : D+



X : 1usec/div, Y : 2V/div

fig. : D-



X : 1usec/div, Y : 2V/div

<Additional information>

- An IC having data (MAC addresses, Favorite and Details etc. that users have changed) on the network (Home Media Gallery) is IC881 (AYW7185).

- How to confirm the network connection
  Set to “Home Media Gallery” entry → Select ”Set up” from home menu → Select ”Network Setup” with ↑↓ Key →
  When “Network Connection Network Found” is displayed, the network can be connected.
  When “Network Connection No Network Found” is displayed, the network cannot be connected.
  → Check the router setting or LAN connection.

5.1.4 HOW TO DIAGNOSE THE PRODUCT WITH THE POWER AMP BLOCK REMOVED

The failure in the Power Amp Block is suspected as shown in the table below.

Symptom that is highly suspected to be caused by a failure in the Power Amp Block	Possible cause
① The power cannot be turned on, and the MCACC LED is flashing.	The DC detection circuit is activated in order to prevent extension of the failure. **Note:** See "5.1.5 Failure Diagnosis of the Power Amp Block."
② The unit is shut down after "AMP ERR" is displayed on the FL display. Then the unit goes into the state described in ① above.	
③ "OVER HEAT" is displayed on the FL display.	The posistors (TH5001 and TH5301) in the Power Amp Block are open. **Note:** The resistance of the thermistor at normal temperature is about 330 ohms.
④ The unit is shut down without an error message on the FL display. Then the PHASE CONTROL LED flashes.	Power Amp overloaded, defective overload-detection circuit in the Power Amp Block, etc.

Failure diagnosis with the power on is not possible for some board assys, because the large Power Amp Block lies in the way. However, if the Power Amp Block is removed, the thermistor connected to the Power Amp Block is disconnected, which will activate the protection circuits.

To enable failure diagnosis of those board assys, after the Power Amp Block is removed in the manner described below.

[Procedures]

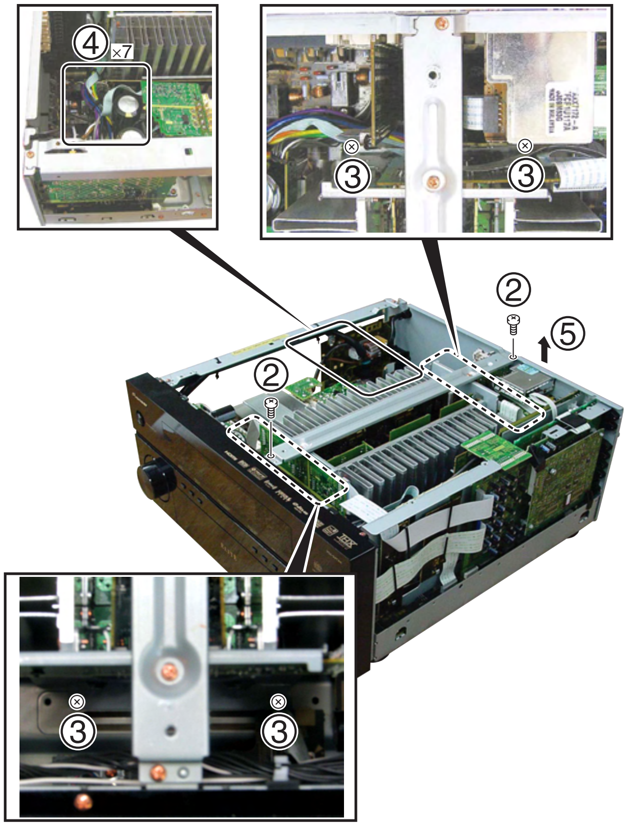
① Remove the bonnet by removing the 22 screws.

② Remove the two screws.

③ Remove the four screws.

④ Disconnect the six connectors and one jumper.

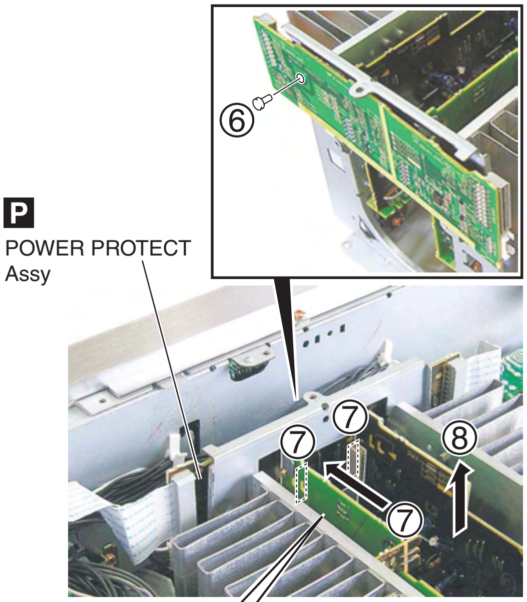
⑤ Disconnect the flexible cable.



⑥ Remove the nylon rivet.

⑦ Remove the POWER PROTECT Assy from the Power Amp Block.

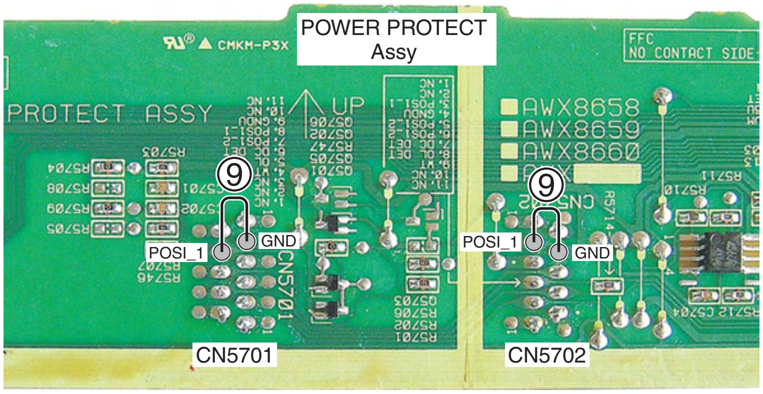
⑧ Remove the Power Amp Block.



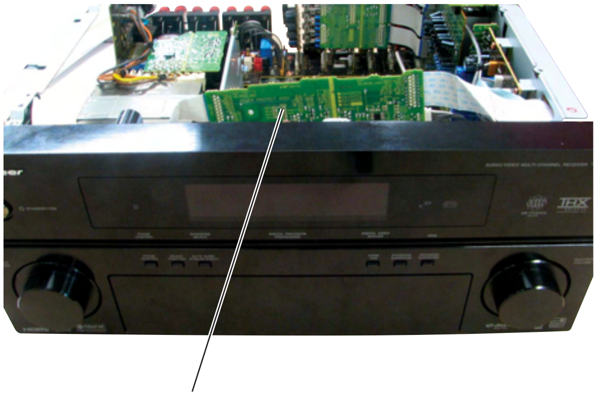
The POWER PROTECT Assy can be easily removed with no load applied to the connectors if you pull out the board by pushing on it at its center from the rear.

Note:
To prevent an electric shock hazard, after removing the Heat Sink Block, discharge the condenser of the ±VL line, by discharging CN4101 or CN4102 on the SP/PS Assy, using a discharging resistor. (It is recommended to make a resistance of 100 ohms or more in the series-parallel connection, using four or more discharging resistors of 100 ohms, 3 W.)

⑨ Short circuit between pin8 (POSI_1) and pin 9 (GND) of CN5701 of the POWER PROTECT Assy, and Pin 3 (POSI_1) and pin 4 (GND) of CN5702 .



⑩ Turn the power on. (The power is on without the protection circuits activated.)



POWER PROTECT
Assy

Diagnose

⚠ Warning: Before putting the Power Amp Block back

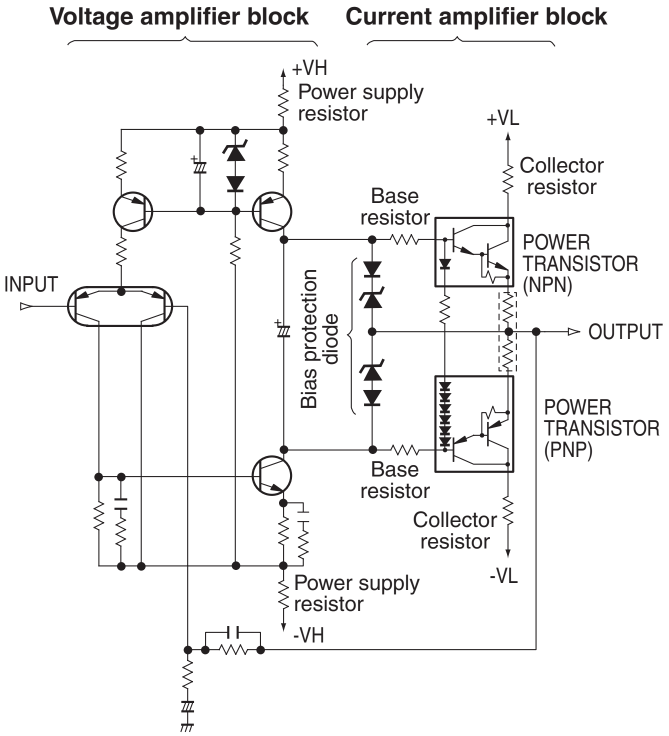
After performing a diagnosis, be sure to remove the solders at short circuit points. Also, be sure to discharge the electric charges of the VH line (charges of the electrolytic condenser) before putting the Power Amp Block back. (See "7. DISASSEMBLY / 1. Before the Power Amp Block is removed.")

Note: If you connect the connectors without discharging, some parts, such as a resistor or Fuse IC on VH line, may be damaged by the inrushing current.

5.1.5 FAILURE DIAGNOSIS OF THE POWER AMP BLOCK

If "AMP ERR" flashes on the FL display immediately after the power is turned on, then the unit is shut down, the power amplifier block is damaged, and DC voltage is output. In this case, either or both of the current and voltage amplifier block(s) is(are) damaged. Herein is described how to diagnose which block is in failure.

Most cases of damage in the power amplifier block are damage on the power transistor caused by excess power consumption, such as short-circuiting of the speaker terminals and use of low-impedance speakers that are not guaranteed. The failure diagnosis is therefore conducted on the current amplifier block first, then on the voltage amplifier block.



Notes:

- During diagnosis of the amplifier block with the power on, if you touch a high-impedance circuit (in particular, both ends of 100-ohm base resistance of the power transistor) with the probe of an oscilloscope or a tester, the circuit may be damaged by oscillation of an oscilloscope or a tester.
- While a failure diagnosis is being conducted with the power on, do NOT touch parts other than the power, input, and output blocks.
- Only the points with CP (check point) marks in the schematic diagram can be diagnosed while the power is on.

1. Damage on the current amplifier block

Check of the power transistor and collector resistance of each channel, using a tester

Tips:

In most cases where the current amplifier block is damaged by an excess power consumption of the power transistor, damage is caused by short-circuiting between the collector and emitter. The collector resistor is open because of large collector current.
In this case, the channel in failure can be identified by checking on which channel the resistance between C and E of the power transistor is 0 Ω (some hundreds of ohms or less) and the resistor of collector resistor is ∞ Ω. As a damage scar appears on the surface of the part when the collector resistor is open, you can also check it by visual inspection.

Note:

Even if the result of the measurement of resistance with the tester shows that the power transistor is not short-circuited, that power transistor may be damaged if the paired push-pull power transistor has been damaged. Therefore, it is recommended to replace both parts when either needs to be replaced.

2. Damage on the voltage amplifier block

Check of the base resistance (100 Ω) and Power supply (±VH) resistor (4.7 Ω) of each channel, using a tester

Tips:

In most cases, the voltage amplifier block is damaged by oscillation generated by a special load connection, a large-amplitude output at higher frequencies out of the audible range, or an influence of damage on the current amplifier block (power transistors). In many cases, the base resistance (100 Ω) is damaged. It is necessary to check each part of the voltage amplifier block, as damage may have been extended to other parts.
In most cases, the resistors are open/damaged, or the transistors or diodes are short-circuited/damaged.

- The resistors must not be open (the resistance must not be higher than the indicated value).
- The terminals of transistors or diodes must not be short-circuited (the resistance must not be extremely low). (If the resistance is low but you are not sure if it is extremely low, compare the value with that of the normal channel.)

If the voltage amplifier block is damaged, Power supply (±VH) resistor (4.7 Ω) may also be damaged.

3. Other damage

Check of the bias protection diodes

Tips:

If the power amplifier is damaged, the bias protection diodes may be deteriorated or open.
For a channel that has been diagnosed to be in failure, the Vf (forward descending voltage) of the four diodes must be checked to confirm that they are not deteriorated or open, using a tester, after repair of the amplifier. If these diodes are deteriorated, its distortion/frequency characteristics may be affected. If these diodes are open, the scale of damage on the power transistors may be extended if any abnormality is generated in the amplifier next time.

■ Operating temperature of the posistor assembling to the heat sink

	No.	Part No.	Operating temperature	Purpose	Operation
POS1L	TH5001	PTFM04BC222Q2N34B0	105 °C	Detection of abnormal temperature	OVERHEAT perform at more than 105 °C
POS1R	TH5301	PTFM04BC222Q2N34B0	105 °C	Detection of abnormal temperature	OVERHEAT perform at more than 105 °C
POS2	TH5002	–	–	–	–

* Operating temperature is body temperature of the posistor (the metal part).

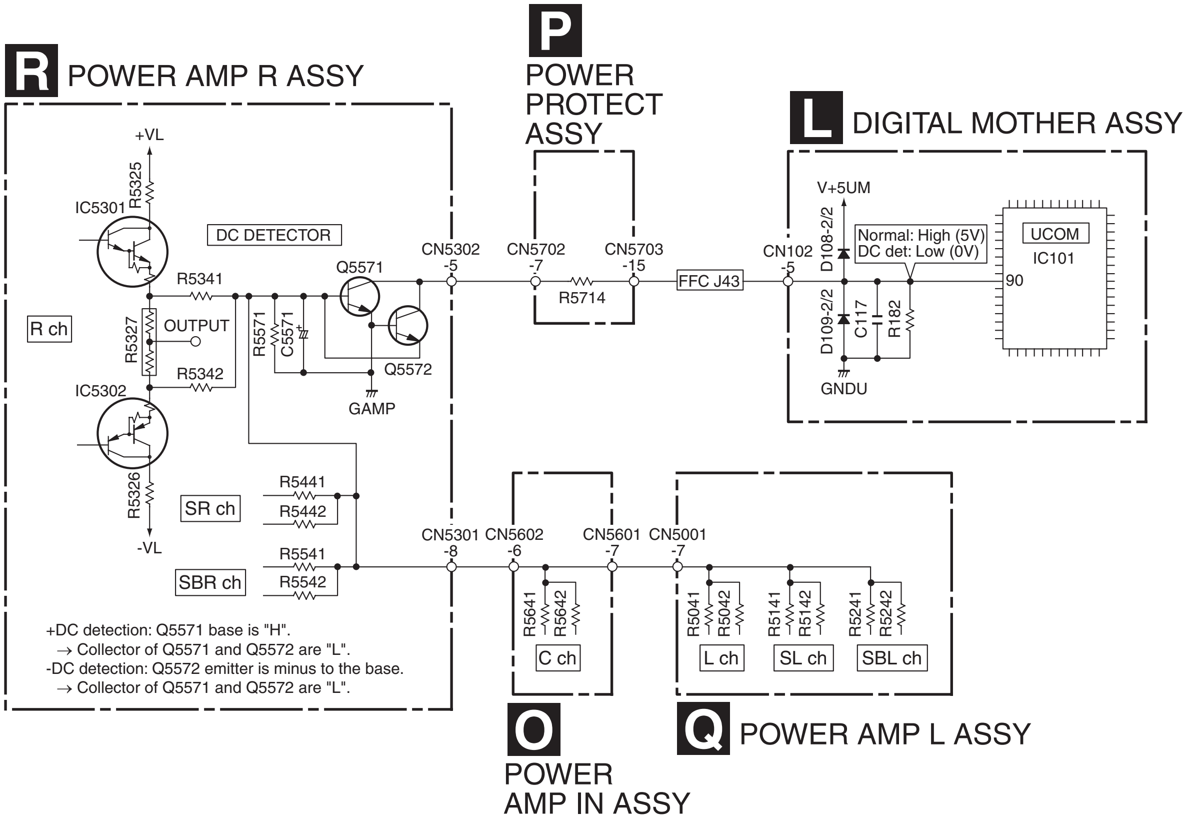
5.2 CIRCUIT DESCRIPTION

5.2.1 PROTECTION CIRCUIT SPECIFICATION

● Protection Circuit Process List

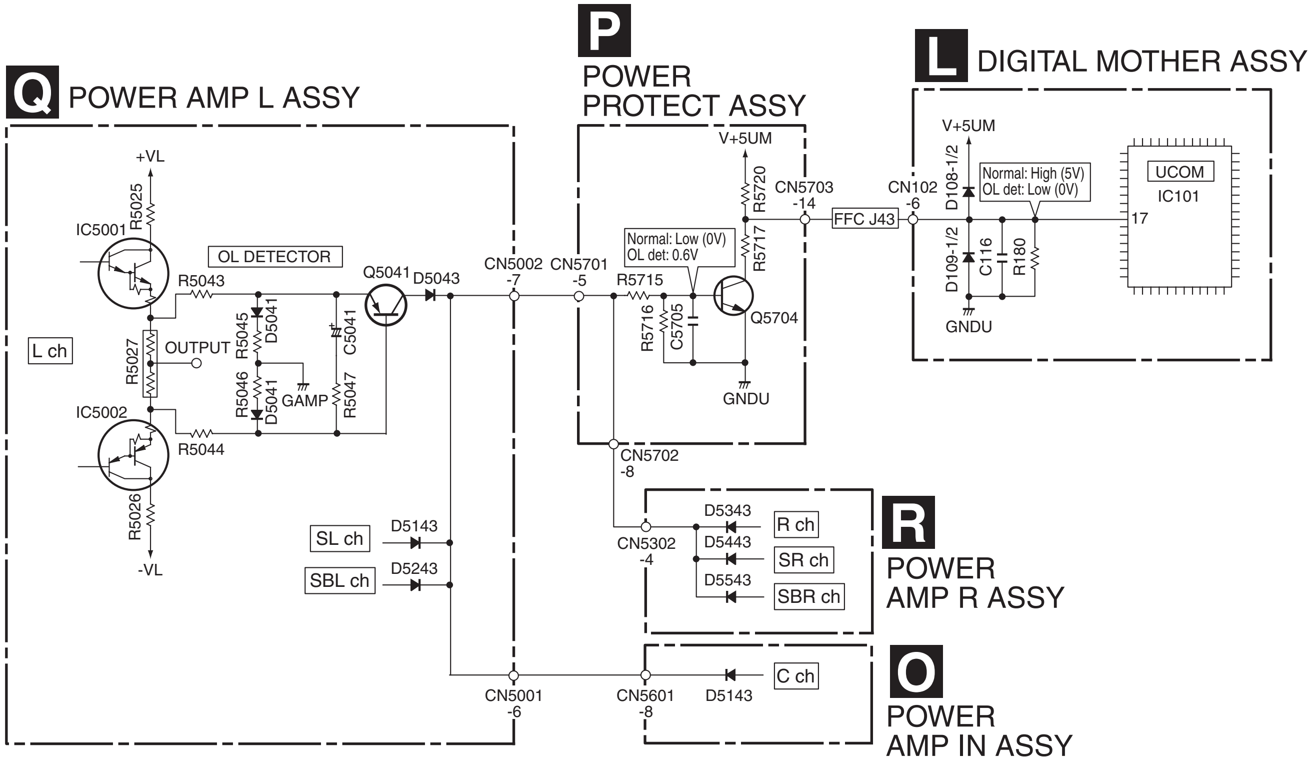
Item	Purpose	Detection Method	Process	Warning Indication	Remarks
DC detection	To detect amplifier damage (defect status) A process to protect speakers (for protection of connected external devices)	Detects when the DC_PROTECT port becomes "L". (Pin 90 of IC101)	Turns muting on and speaker relay off, then turns off the power after 3 seconds. Then flashes MCACC indicator.	Flashing "AMP ERR" for 3 seconds.	Once detected and turned the power off, input a key never again. If the DC_DET port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
AMP overload	To detect overloading (abnormal status) With low-load driving or a short circuit of the speaker terminals (for protection of the amplifier)	Detects when the OL_DET port becomes "L" (checks by interrupt). (Pin 17 of IC101)	Turns muting on and speaker relay off, and immediately turns off the power. Then flashes PHASE CONTROL indicator.	None	
Overheat detection	Self reset type protection feature by temperature-rise of heat sink	Detects when the TEMP2 port becomes "H" . (Pin 24 of IC3301)	Turns muting on and speaker relay off, then turns off the power after 3 seconds.	Flashing "OVERHEAT" for 3 seconds.	If the TEMP2 port becomes "L" within 3 seconds, the unit returns to normal condition automatically.
12V trigger failure detection	To detect the shortcircuit of 12V trigger output (load more than 50mA) (for protection of the amplifier)	Detects when the 12VDET port becomes "H" . (Pin 69 of IC101)	Turns 12V trigger output to off.	Flashing "12V TRG ERR" for 3 seconds.	Continue showing warning. Release the FL indication by switching the INPUT SEL or the turns the power off.

● DC Detection Circuit


R POWER AMP R ASSY
P POWER PROTECT ASSY
L DIGITAL MOTHER ASSY
O POWER AMP IN ASSY
Q POWER AMP L ASSY
+VL
R5325
IC5301
DC DETECTOR
R5341
Q5571
R ch
OUTPUT
R5327
R5571
C5571
Q5572
R5342
GAMP
IC5302
R5326
-VL
SR ch
R5441
R5442
SBR ch
R5541
R5542
CN5302 -5
CN5702 -7
CN5703 -15
R5714
FFC J43
CN102 -5
V+5UM
D108-2/2
D109-2/2
C117
R182
Normal: High (5V)
DC det: Low (0V)
UCOM
IC101
90
GNDU
CN5301 -8
CN5602 -6
CN5601 -7
CN5001 -7
R5641
R5642
C ch
R5041
R5042
L ch
R5141
R5142
SL ch
R5241
R5242
SBL ch

+DC detection: Q5571 base is "H".
→ Collector of Q5571 and Q5572 are "L".
-DC detection: Q5572 emitter is minus to the base.
→ Collector of Q5571 and Q5572 are "L".

● OL (Over Load) Detection Circuit


P
POWER PROTECT ASSY
L
DIGITAL MOTHER ASSY
Q
POWER AMP L ASSY
+VL
R5025
IC5001
OL DETECTOR
R5043
Q5041
D5043
CN5002 -7
CN5701 -5
R5715
Normal: Low (0V)
OL det: 0.6V
V+5UM
R5720
R5717
CN5703 -14
FFC J43
CN102 -6
V+5UM
D108-1/2
Normal: High (5V)
OL det: Low (0V)
UCOM
IC101
17
D109-1/2
C116
R180
GNDU
Q5704
R5716
C5705
GNDU
L ch
R5027
OUTPUT
R5045
D5041
C5041
R5046
D5041
GAMP
R5047
IC5002
R5044
R5026
-VL
CN5702 -8
D5343
R ch
CN5302 -4
D5443
SR ch
D5543
SBR ch
R
POWER AMP R ASSY
SL ch
D5143
SBL ch
D5243
C ch
CN5001 -6
CN5601 -8
D5143
O
POWER AMP IN ASSY

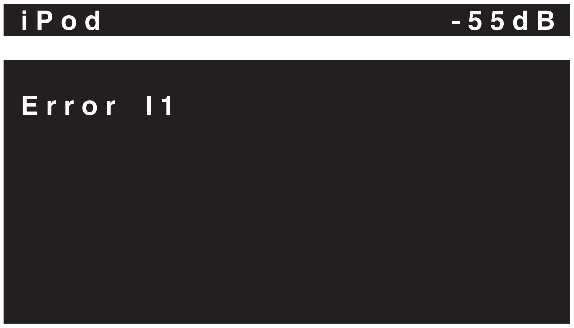
5.2.2 iPod INFORMATION

■ iPod players supported by this unit

This unit supports iPod, iPod mini, and iPod Photo players of the third or subsequent generation that have adopted the iPod Dock connector.
The iPod cable is available as parts (Part No.: ADE7119).

■ Error Messages

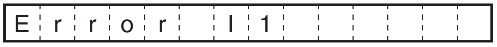
MONITOR OUT screen



iPod -55dB

Error I1

FL display

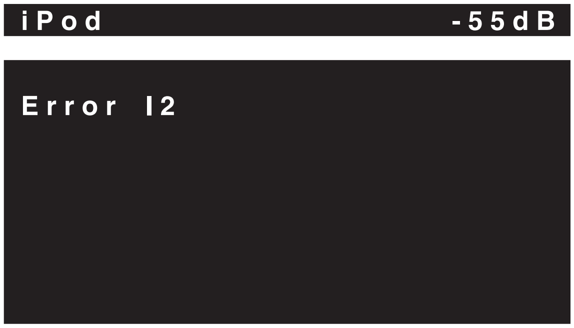


Error I1

[Cause]
There is a problem with the signal path from the iPod to the receiver.

[Measures]
Switch off the receiver and reconnect the iPod to the receiver.
If this doesn't seem to work, try resetting your iPod.

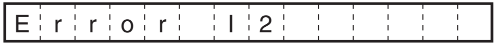
MONITOR OUT screen



iPod -55dB

Error I2

FL display

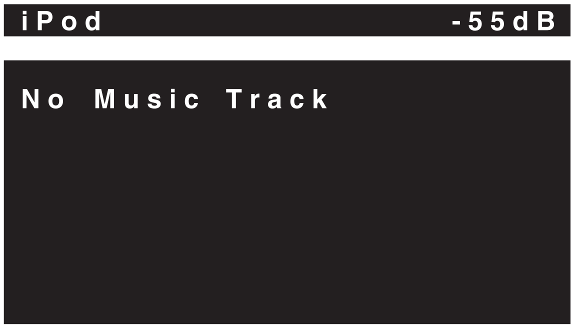


Error I2

[Cause]
The software version being used with the iPod needs to be updated.

[Measures]
Update the software being used with the iPod (software versions prior to iPod update 2004-10-20 are not supported).

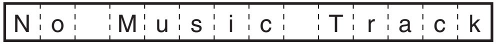
MONITOR OUT screen



iPod -55dB

No Music Track

FL display



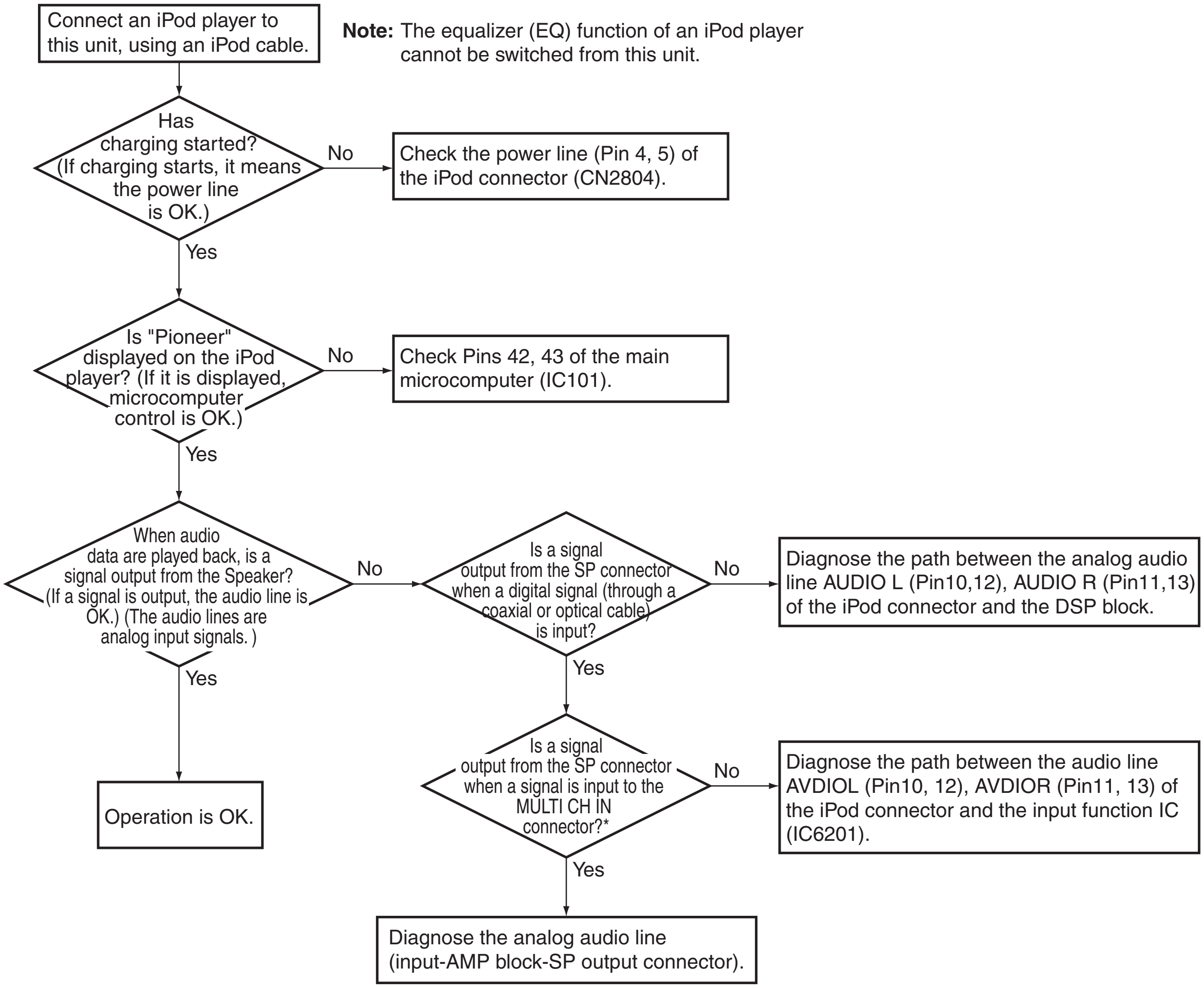
No Music Track

[Cause]
There are no playable songs currently stored in the iPod.

[Measures]
Input some music files compatible with iPod playback.

■ Operation check of iPod functions

Note: The equalizer (EQ) function of an iPod player cannot be switched from this unit.


Connect an iPod player to this unit, using an iPod cable.
Has charging started? (If charging starts, it means the power line is OK.)
No
Check the power line (Pin 4, 5) of the iPod connector (CN2804).
Yes
Is "Pioneer" displayed on the iPod player? (If it is displayed, microcomputer control is OK.)
No
Check Pins 42, 43 of the main microcomputer (IC101).
Yes
When audio data are played back, is a signal output from the Speaker? (If a signal is output, the audio line is OK.) (The audio lines are analog input signals.)
No
Is a signal output from the SP connector when a digital signal (through a coaxial or optical cable) is input?
No
Diagnose the path between the analog audio line AUDIO L (Pin10,12), AUDIO R (Pin11,13) of the iPod connector and the DSP block.
Yes
Operation is OK.
Yes
Is a signal output from the SP connector when a signal is input to the MULTI CH IN connector?*
No
Diagnose the path between the audio line AVDIOL (Pin10, 12), AVDIOR (Pin11, 13) of the iPod connector and the input function IC (IC6201).
Yes
Diagnose the analog audio line (input-AMP block-SP output connector).

* The "DIGITAL PRECISION PROCESSING" indicator on the front panel light off when switching "AUTO SURR/STREAM DIRECT" button to "PURE DIRECT" or listening through the multichannel analogue inputs.

5.2.3 XM RADIO INFORMATION

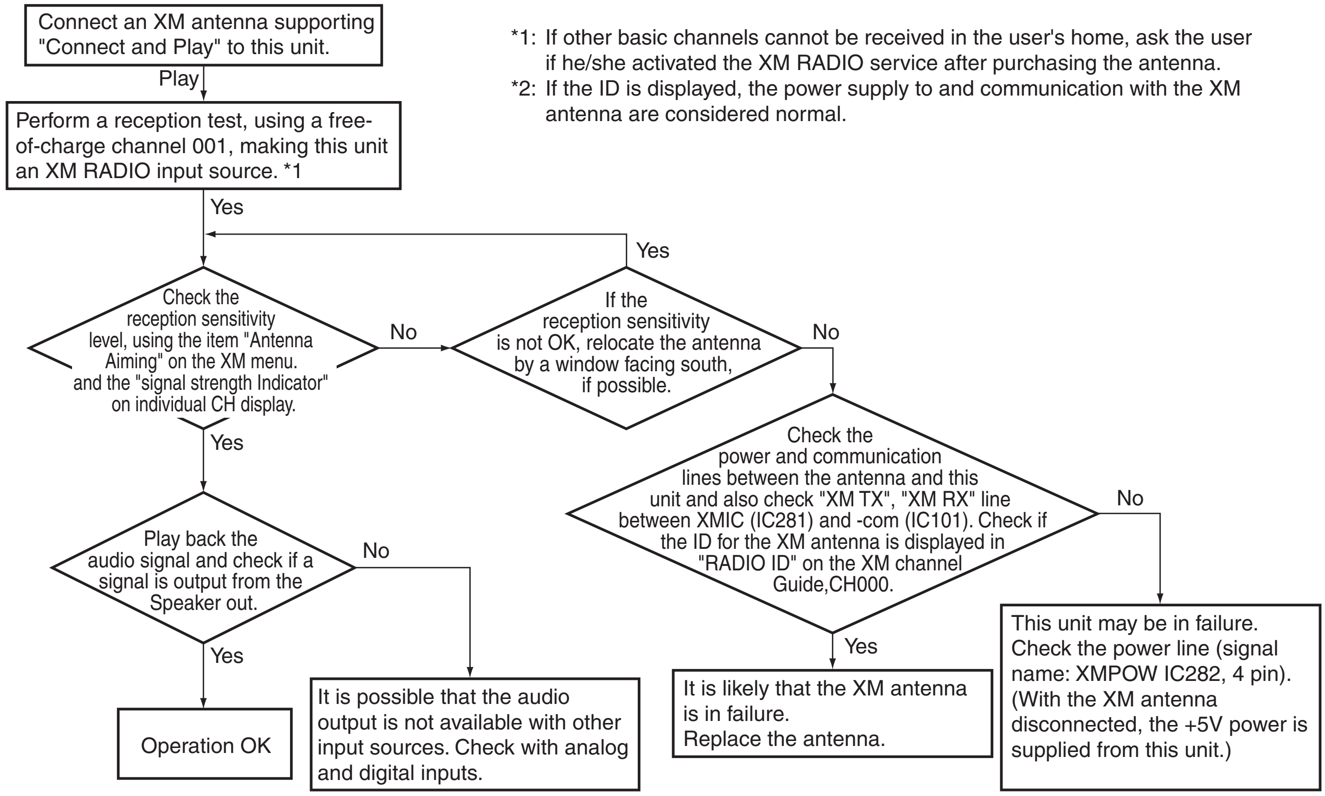
■ Products used for receiving XM Satellite Radio service

A commercially available "Connect and Play Antenna" can be used with this unit. To activate the XM RADIO service, it is necessary to receive a broadcast using your "Connect and Play Antenna."

■ About XM messages

Symptom	Cause	Measures
Check Antenna	An XM antenna is not connected.	Check whether the XM antenna cable is securely connected.
XM Power Error	A short-circuit is occurring in the XM antenna or the surrounding antenna cable.	Make sure that there is nothing unusual with the XM antenna or XM antenna cable. Turn the power off then back on.
Updating	The radio is being updated with the latest encryption code.	Wait until the encryption code is updated. Channels 00 and 01 should function normally.
No Signal	The XM signal is too weak at the current location.	
Loading	The unit is acquiring audio or program information.	Wait until the unit has received the information.
Off Air	The channel currently selected has stopped broadcasting.	Select another channel.
CH - - -	The user has selected a channel number that does not exist or is not subscribed to.	The receiver automatically switches to Channel 001 or a last-selected channel.
- - - - - - - -	There is no artist name/feature (song/program title), or channel category is associated with the channel.	No action needed.

■ Operation check of XM RADIO function

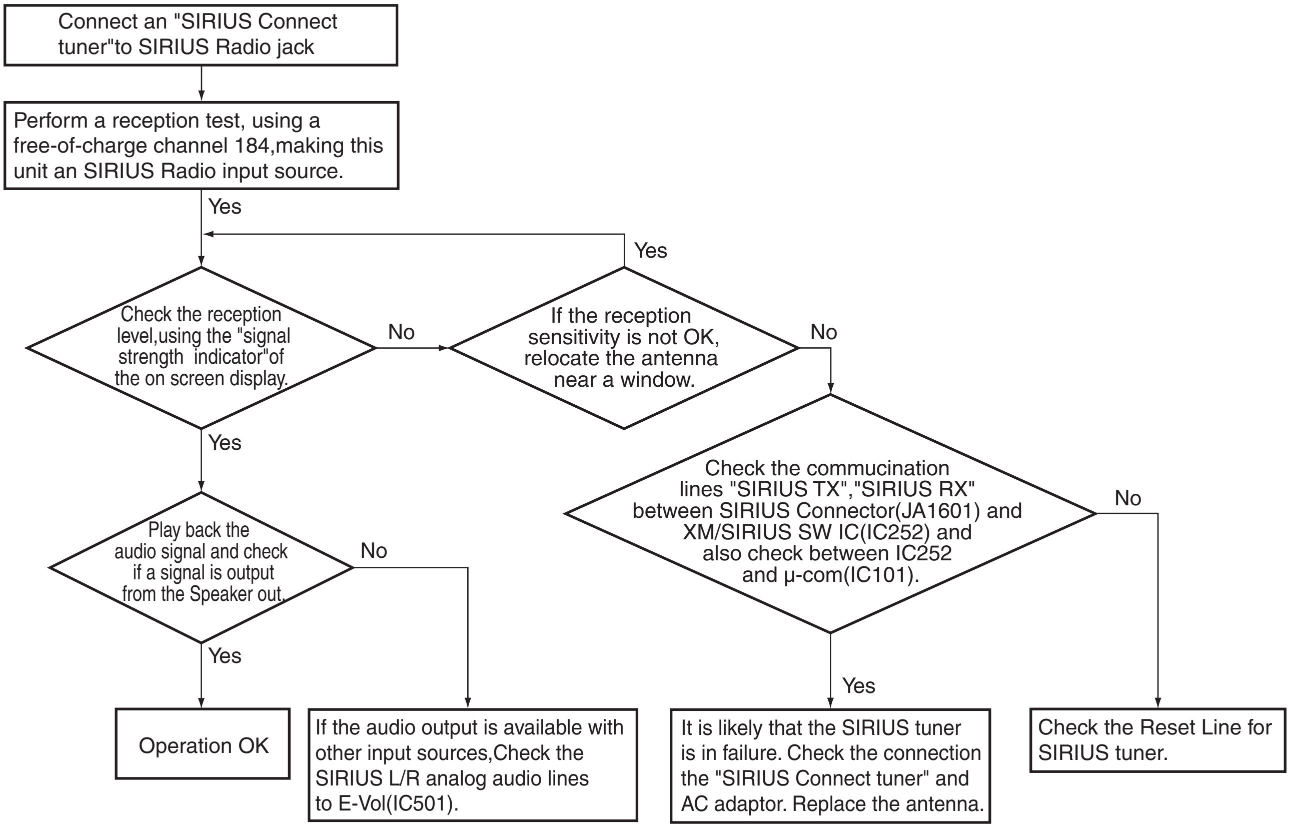

Connect an XM antenna supporting "Connect and Play" to this unit.
Play
Perform a reception test, using a free-of-charge channel 001, making this unit an XM RADIO input source. *1
Yes
Check the reception sensitivity level, using the item "Antenna Aiming" on the XM menu. and the "signal strength Indicator" on individual CH display.
No
If the reception sensitivity is not OK, relocate the antenna by a window facing south, if possible.
Yes
No
Check the power and communication lines between the antenna and this unit and also check "XM TX", "XM RX" line between XMIC (IC281) and -com (IC101). Check if the ID for the XM antenna is displayed in "RADIO ID" on the XM channel Guide,CH000.
No
Yes
Play back the audio signal and check if a signal is output from the Speaker out.
No
Yes
Operation OK
It is possible that the audio output is not available with other input sources. Check with analog and digital inputs.
Yes
It is likely that the XM antenna is in failure. Replace the antenna.
This unit may be in failure. Check the power line (signal name: XMPOW IC282, 4 pin). (With the XM antenna disconnected, the +5V power is supplied from this unit.)

*1: If other basic channels cannot be received in the user's home, ask the user if he/she activated the XM RADIO service after purchasing the antenna.

*2: If the ID is displayed, the power supply to and communication with the XM antenna are considered normal.

5.2.4 SIRIUS BLOCK TROUBLESHOOTING

Step 1 : Connectors


Connect an "SIRIUS Connect tuner"to SIRIUS Radio jack
Perform a reception test, using a free-of-charge channel 184,making this unit an SIRIUS Radio input source.
Yes
Yes
Check the reception level,using the "signal strength indicator"of the on screen display.
No
If the reception sensitivity is not OK, relocate the antenna near a window.
No
Yes
Check the commucination lines "SIRIUS TX","SIRIUS RX" between SIRIUS Connector(JA1601) and XM/SIRIUS SW IC(IC252) and also check between IC252 and µ-com(IC101).
No
Play back the audio signal and check if a signal is output from the Speaker out.
No
Yes
Yes
Operation OK
If the audio output is available with other input sources,Check the SIRIUS L/R analog audio lines to E-Vol(IC501).
It is likely that the SIRIUS tuner is in failure. Check the connection the "SIRIUS Connect tuner" and AC adaptor. Replace the antenna.
Check the Reset Line for SIRIUS tuner.

SIRIUS radio messages

Symptom	Cause	Action
Antenna Error	Antenna is not properly connected.	Check that the antenna cable is attached securely.
Check Sirius Tuner	SIRIUS Connect tuner is not properly connected.	Check that the 8 pin mini DIN cable and AC Adapter are attached securely.
Acquiring Signal	The SIRIUS signal is too weak at the current location.	n/a
Subscription Updating	Unit is updating subscription.	Wait until the encryption code has been updated.
Updating Channels	Unit is updating channels.	Wait until the encryption code has been updated.
Invalid Channel	Selected channel is not available/does not exist.	Select another channel.

6. SERVICE MODE

6.1 SERVICE MODE

The Service mode has three functional blocks (VERSION block, PROTECT block and DOWNLOAD block).

How to enter the Service mode

1. Turn off MULTI-ZONE. Lower MASTER VOLUME to the minimum (---dB) and turn off the power.
2. After the power-off, press and hold down both the "ENTER" key and the "MULTI-ZONE ON/OFF" key for approximately five seconds.

How to exit the Service mode

Turning off the power or pressing the RETURN key returns to the normal mode.

Mode transition methods for each of the VERSION block, PROTECT block and DOWNLOAD block.

*If no key is pressed within 10 seconds, the Service mode returns to the normal mode.

Key operation	FL display
VERSION block 1/4 Display MAIN / EVENT microcomputer.	M1.000 E1.000
[→] [←]	
PROTECT block 1/8 Display number of times DC is detected.	DC : 000
[→] [←]	
DOWNLOAD block 1/6 Display MAIN computer DOWNLOAD.	MAIN DL[START]
[→] [←]	
Return to VERSION block 1/4.	

VERSION block

This block displays version information of various microcomputers and DSP firmware.
*If no key is pressed within 10 seconds, the Service mode returns to the normal mode.

Key operation	FL display	Explanation on displayed versions
Test mode ON		
↓		
VERSION block 1/4 MAIN/EVENT microcomputer	M1.000 E1.000	M * . *** : MAIN microcomputer E * . *** : EVENT microcomputer
[↓] [↑]		
VERSION block 2/4 DISPLAY microcomputer	DISP 1.000	DISP * . *** : DISPLAY microcomputer
[↓] [↑]		
VERSION block 3/4 DSP/HDMI microcomputer	D1.000 H1.000	D * . *** : DSP microcomputer H * . *** : HDMI microcomputer
[↓] [↑]		
VERSION block 4/4 1stDSP/2ndDSP firmware	f1.000 s1.000	f * . *** : 1st DSP firmware s* . *** : 2nd DSP firmware
[↓] [↑]		
To PROTECT block		

PROTECT block

This block displays number of times protection processing is detected.
*If no key is pressed within 10 seconds, the Service mode returns to the normal mode.

Key operation	FL display
PROTECT block 1/8 Display number of times DC is detected.	DC : 000
[↓] [↑]	
PROTECT block 2/8 Display number of times OVERLOAD is detected.	OVER: 010
[↓] [↑]	
PROTECT block 3/8 Display number of times COMBINATION is detected. (Detects DC and OVERLOAD simultaneously)	CON : 002
[↓] [↑]	
PROTECT block 4/8 Displays number of times FAN error is detected.	FAN : 000 The number is not counted in this North America model, because these models have no FAN.
[↓] [↑]	
PROTECT block 5/8 Display number of times abnormal temperature is detected.	TEMP: 255
[↓] [↑]	
PROTECT block 6/8 Resetting the number of times error is detected	RESET ◀ HOLD ▶
[↓] [↑]	
PROTECT block 7/8 Display accumulated time & RESET.	12345h20m◀HLD▶
[↓] [↑]	
PROTECT block 8/8 The Timer of Exception "Set Stream Path" command on CEC.	EX.SSP◀1500ms▶
[↓] [↑]	
To DOWNLOAD block	

Resetting the number of times error is detected

Key operation	FL display
[←][→]	RESET ◀CLEAR?▶
[ENTER]	RESET [RESET]
↓ To normal mode	

Resetting the accumulated time

Key operation	FL display
[←][→]	12345h20m◀CL?▶
[ENTER]	0h 0m◀RST▶
↓ To normal mode	

Setting of the Timer of Exception "Set Stream Path" command on CEC.

Key operation	FL display
[←][→]	EX.SSP◀ 600ms▶
↓ To normal mode	

DOWNLOAD block

This block enters the rewriting mode of various microcomputers and DSP firmware.

Key operation	FL display
DOWNLOAD block 1/6 MAIN computer DOWNLOAD [↓] [↑]	MAIN DL[START]
DOWNLOAD block 2/6 EVENT computer DOWNLOAD [↓] [↑]	EVNT DL[START]
DOWNLOAD block 3/6 DSP computer DOWNLOAD [↓] [↑]	DSPM DL[START]
DOWNLOAD block 4/6 HDMI computer DOWNLOAD [↓] [↑]	HDMI DL[START]
DOWNLOAD block 5/6 1stDSP FIRM DOWNLOAD [↓] [↑]	DSP1 DL[START]
DOWNLOAD block 6/6 2ndDSP FIRM DOWNLOAD [↓] [↑] To VERSION block	DSP2 DL[START]

■ Error indications when an abnormality in the amplifier system is detected

[Purpose]

An error message is displayed when an abnormality in the amplifier system is detected.

[Error Messages]

FL Display	Status	Duration (sec.)
AMP ERROR	When AMP DC is detected	Flashes 3 times.
AMP OVERHEAT	When a thermal shutdown (abnormal temperature), etc. is detected	Flashes 3 times.
12V TRG ERR	When the 12-V trigger circuit is short-circuited	Flashes
DSP NG	When the NG communication with the DSP u-com is detected.	Flashes
HMDI NG	When the NG communication with the HDMI u-com is detected.	Flashes
HDCP ERROR	When the HDCP ERR is detected.	Flashes 5 seconds.
NOT SUPPORT	When the NOT SUPPORT of HDCP is detected.	Flashes 5 seconds.

[Description]

AMP ERROR : After a failure in the amplifier block or high DC output is detected, the shutdown process starts, then the power will be shut off. Then the MCACC LED will flash. The power cannot be turned on again. If you wish to turn on the unit after a shutdown activated by DC detection, enter DC detection cancellation mode, by proceeding with the steps described in "How to enter release mode" below.

AMP OVERHEAT : The temperature of the amplifier is abnormally high.

12V TRG ERR : The 12-V trigger output is short-circuited.

After a failure is detected, the shutdown process starts, then the power will be off. The power can be turned on again in Normal mode.

DSP NG : There is no communication response from the DSP u-com.

HDMI NG : There is no communication response from the HDMI u-com.

HDCP ERR : The monitor is non-HDCP type or the monitor is standby state.

NOT SUPPORT : The output resolution is not correspond to the monitor at analog. →HDMI(scaler exist)

[How to enter release mode]

Press and hold "↓ (DOWN)" and "MULTI-ZONE ON/OFF" keys on the front panel simultaneously for 2 seconds in standby mode.

7. DISASSEMBLY

Note : Even if the unit shown in the photos and illustrations in this manual may differ from your product, the procedures described here are common.

1. Before the Power Amp Block is removed

Before the Power Amp Block is removed, discharge C4209 and C4210 on the TRANS 2-1 Assy, as indicated below.
If you don't, the IC protectors (IC4261 and IC4262) on the VH TR Assy may be open, and DC voltage may be generated at the power amplifier output, which will result in "AMP ERR."

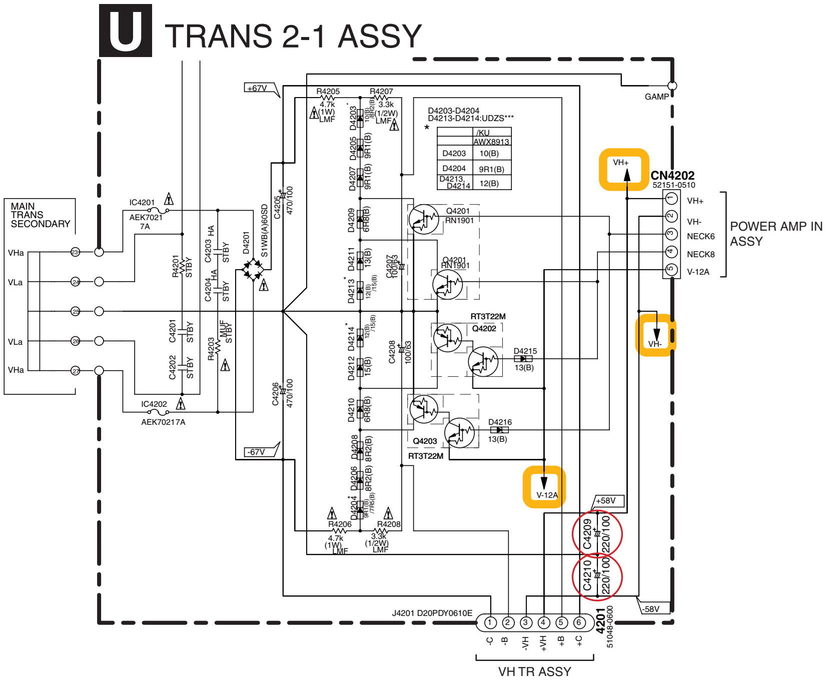
[Procedure]

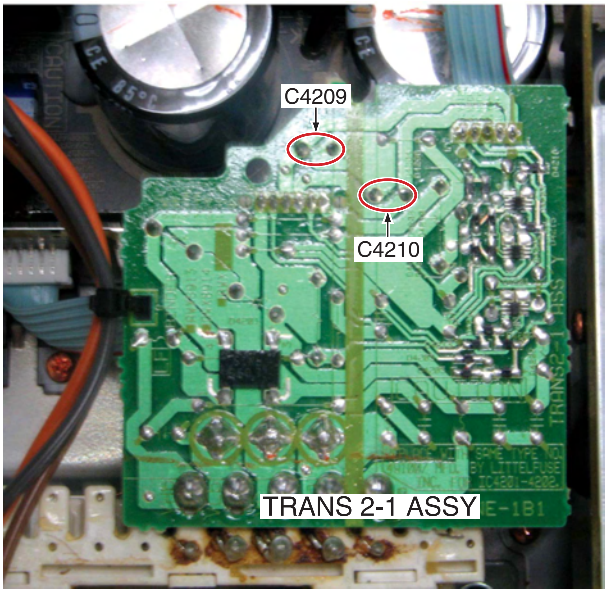
① Unplug the AC code.

② Discharge C4209 and C4210 on the TRANS 2-1 Assy.
Note: For discharging, use a load of 100Ω, 3W or more, to protect the IC protectors. Do NOT discharge instantly by short-circuiting.

③ Check that the voltage between the electrodes of each C4209 and C4210 is 1V or less.

④ Mount the Power Amp Block.


U
TRANS 2-1 ASSY
MAIN TRANS SECONDARY
VHa
VLa
VLa
VHa
IC4201 AEK7021 7A
IC4202 AEK70217A
R4201 STBY
C4203 HA STBY
C4204 HA STBY
C4201 STBY
C4202 STBY
R4203 MUF STBY
D4201 S1WB(A)60SD
C4205 470/100
C4206 470/100
+67V
-67V
R4205 4.7k (1W) LMF
R4207 3.3k (1/2W) LMF
R4206 4.7k (1W) LMF
R4208 3.3k (1/2W) LMF
D4203-D4204 D4213-D4214:UDZS***
*
/KU
AWX8913
D4203 10(B)
D4204 9R1(B)
D4213, D4214 12(B)
Q4201 RN1901
RT3T22M
Q4202
Q4203
D4215 13(B)
D4216 13(B)
C4207 100/63
C4208 100/63
GAMP
VH+
CN4202 52151-0510
VH+
VH-
NECK6
NECK8
V-12A
POWER AMP IN ASSY
VH-
V-12A
+58V
C4209 220/100
C4210 220/100
-58V
J4201 D20PDY0610E
4201 51048-0600
-C -B -VH +VH +B +C
VH TR ASSY

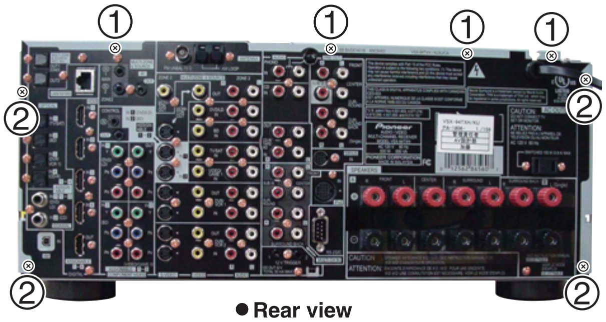

C4209
C4210
TRANS 2-1 ASSY

2. Disassembly

1 Bonnet

① Remove the four screws.

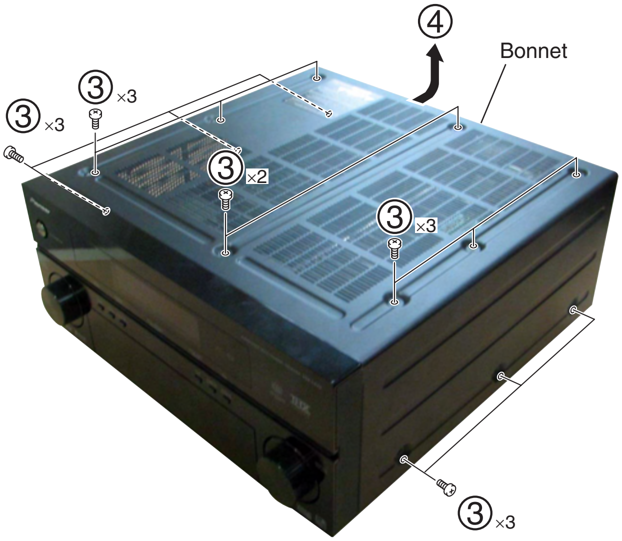
② Remove the four screws.



● **Rear view**

③ Remove the fourteen screws.

④ Remove the bonnet.

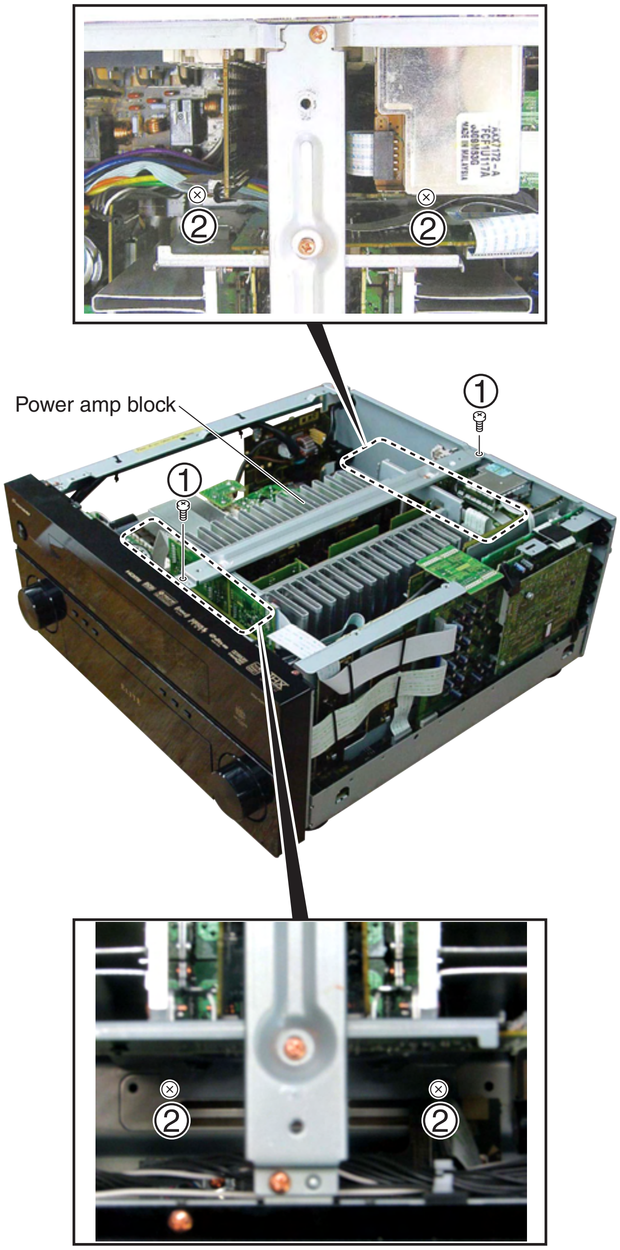

④
Bonnet
③ ×3
③ ×3
③ ×2
③ ×3
③ ×3

2 Power Amp Block

Before removing the power AMP Block, discharge C4209 and C4210 on TRANS 2-1 Assy.
Refer to "1. Before the Power AMP Block is removed".

① Remove the two screws.

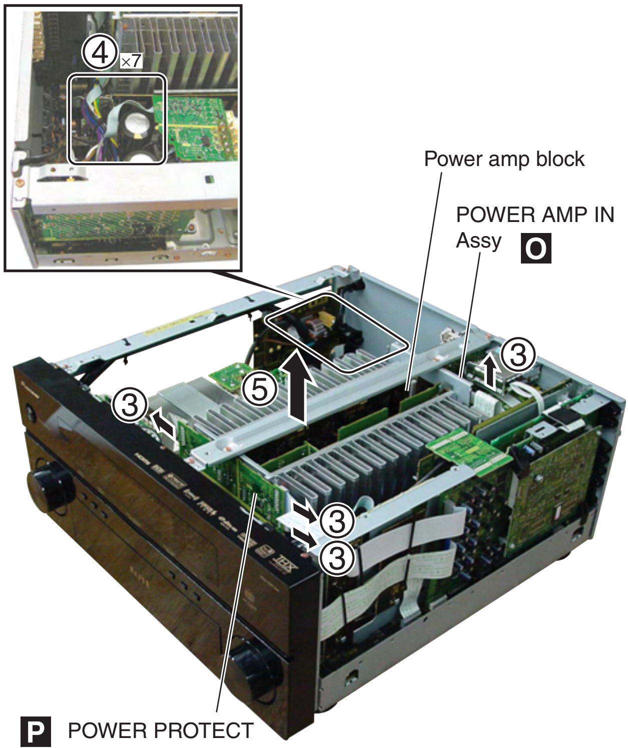
② Remove the four screws.

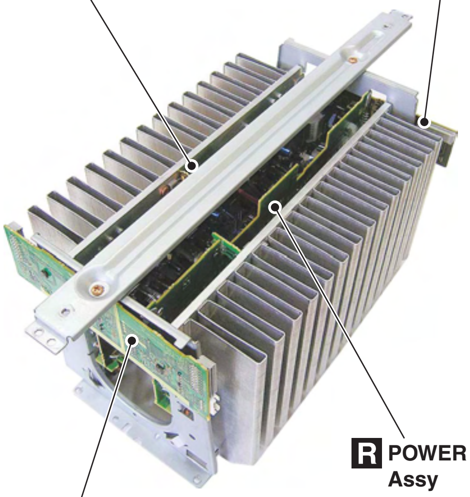

②
②
Power amp block
①
①
②
②

③ Disconnect the three flexible cables and one connector.

④ Disconnect the six connectors and one jumper.

⑤ Remove the power amp block.


④ ×7
Power amp block
POWER AMP IN Assy O
③
⑤
③
③
③
P POWER PROTECT Assy

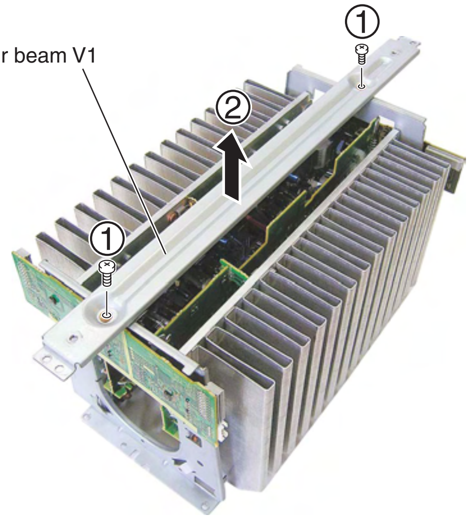

Q POWER AMP-L Assy
O POWER AMP IN Assy
R POWER ANP-R Assy
P POWER PROTECT Assy

3 Replacing the Power Transistor

• Center Beam V1

① Remove the two screws.

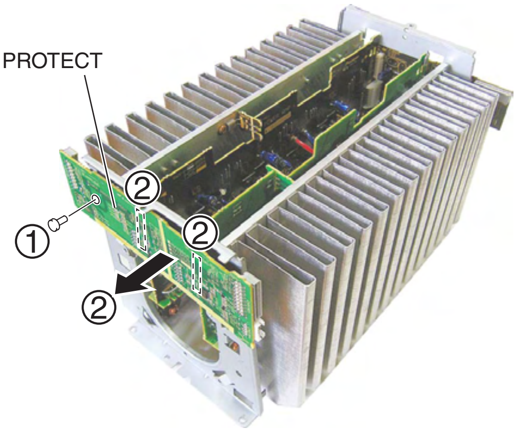
② Remove the center beam V1.


Center beam V1
①
②
①

• POWER PROTECT Assy

① Remove the one nylon rivet.

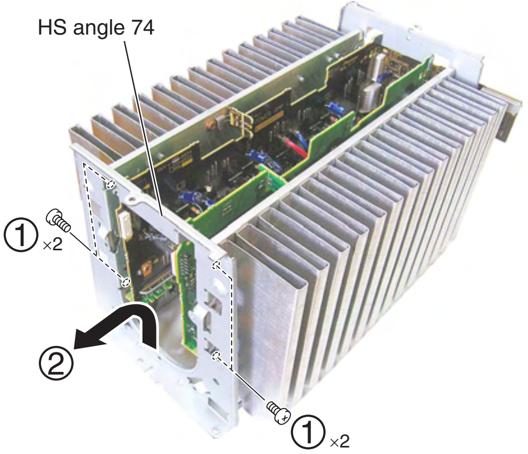
② Remove the POWER PROTECT Assy by removing the two connectors.


P
POWER PROTECT Assy
②
②
①
②

- **HS Angle 74**

① Remove the four screws.

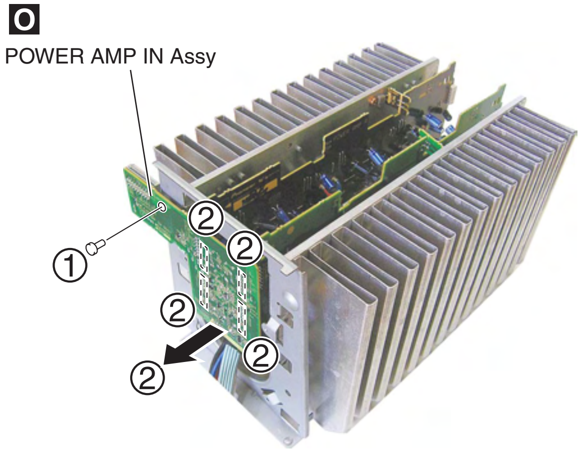
② Remove the HS angle 74.


HS angle 74
① ×2
②
① ×2

- **POWER AMP IN Assy**

① Remove the one nylon rivet.

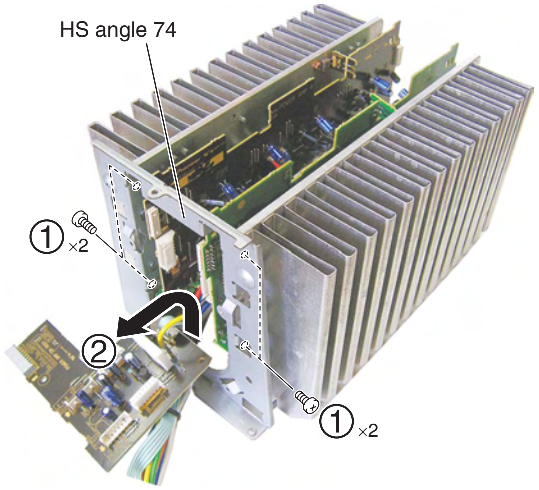
② Remove the POWER AMP IN Assy by removing the four connectors.


O
POWER AMP IN Assy
①
②
②
②
②
②

- **HS Angle 74**

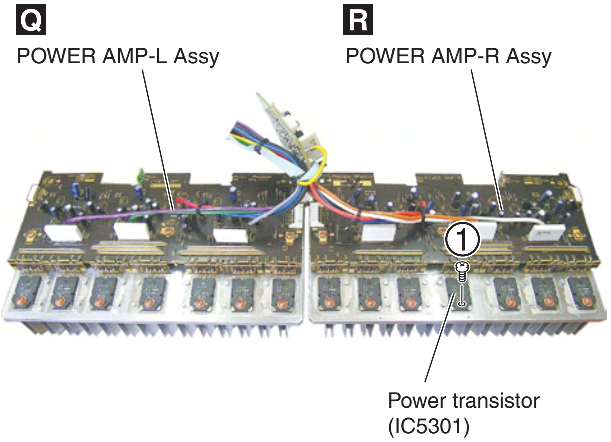
① Remove the four screws.

② Remove the HS angle 74.


HS angle 74
① ×2
②
① ×2

- **Replacing the Power Transistor**

① Remove the screw.

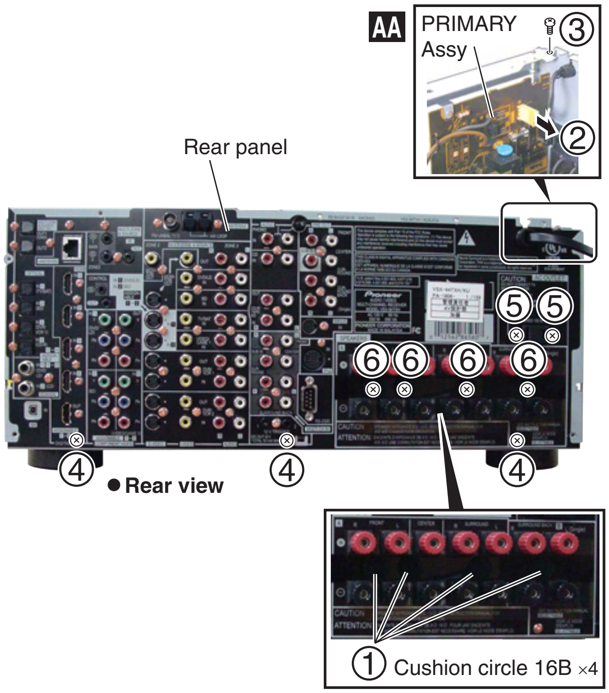

Q
POWER AMP-L Assy
R
POWER AMP-R Assy
①
Power transistor
(IC5301)

Replace

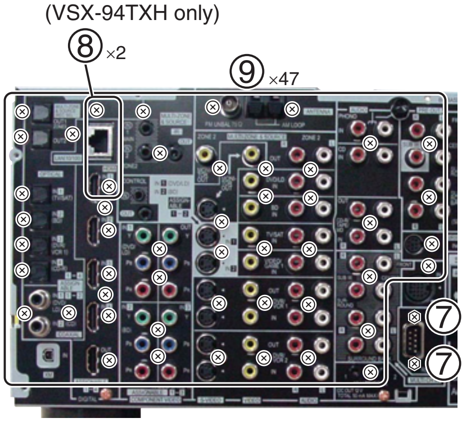
4 Replacing the HDMI & DLNA ASSY

- **Rear Panel**

① Remove the four cushion circle 16Bs.
② Disconnect the one connector.
③ Remove the screw.
④ Remove the three screws.
⑤ Remove the two screws.
⑥ Remove the four screws.

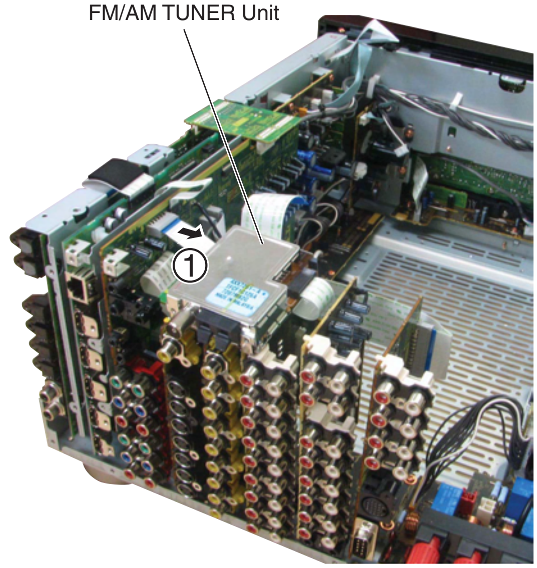

AA
PRIMARY Assy
③
②
Rear panel
⑤ ⑤
⑥ ⑥ ⑥ ⑥
④ ④ ④
● Rear view
① Cushion circle 16B ×4

⑦ Remove the two screws.
⑧ Remove the two screws. (VSX-94TXH only)
⑨ Remove the 47 screws.
⑩ Remove the rear panel.


(VSX-94TXH only)
⑧ ×2
⑨ ×47
⑦
⑦
● Rear view

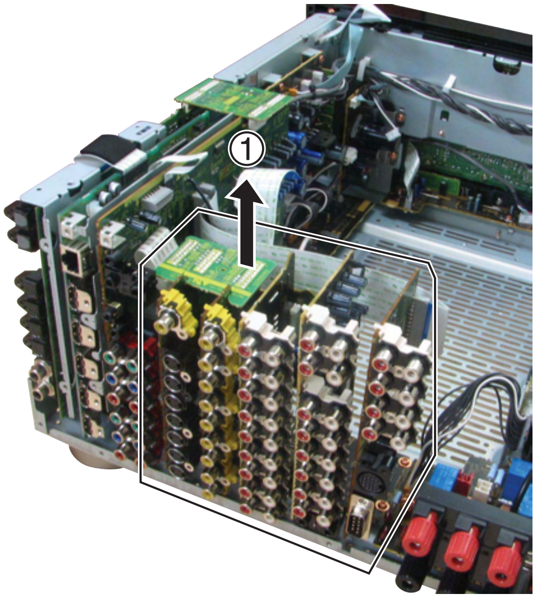
- **FM/AM TUNER Unit**

① Remove the FM/AM TUNER Unit by removing the one flexible cable.


FM/AM TUNER Unit
①

- **PCB Assys**

① Remove the PREOUT & CONTROL, AUDIO & MULTI CH IN, V-AUDIO, COMPOSITE V, S VIDEO, BRIDGE 2 and BRIDGE 3 Assys from the INTERFACE Assy.

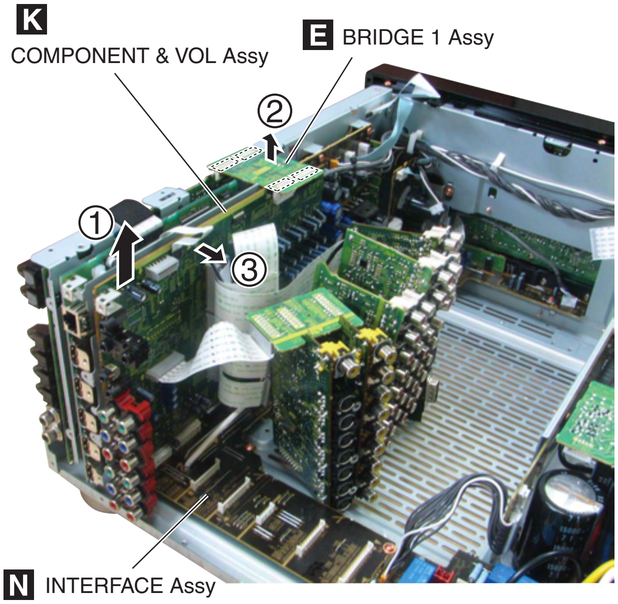


• COMPONENT & VOL Assy

① Remove the COMPONENT & VOL Assy from the INTERFACE Assy.

② Remove the BRIDGE 1 Assy by removing the four connectors.

③ Disconnect the flexible cable.

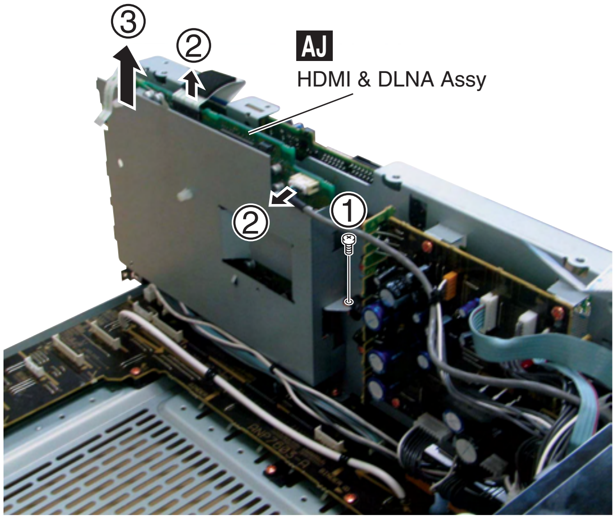

K
COMPONENT & VOL Assy
E BRIDGE 1 Assy
②
①
③
N INTERFACE Assy

• HDMI & DLNA Assy

① Remove the screw.

② Disconnect the flexible cables and connector.

③ Remove the HDMI & DLNA Assy from the INTERFACE Assy.


③
②
AJ
HDMI & DLNA Assy
②
①

Replace

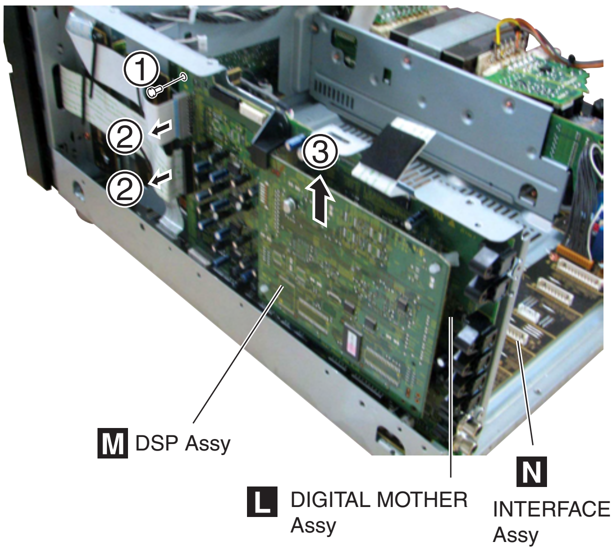
5 Replacing the INTERFACE ASSY

• DIGITAL MOTHER Assy

① Remove the nyron rivet.

② Disconnect the two flexible cables.

③ Remove the DIGITAL MOTHER Assy with DSP Assy from the INTERFACE Assy.

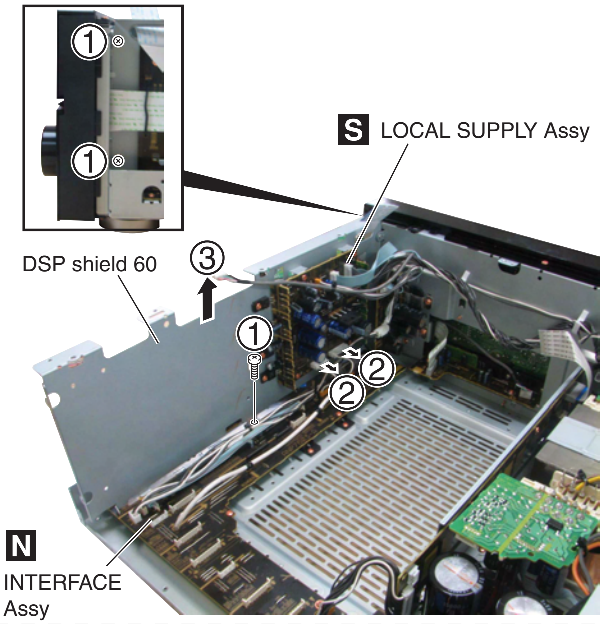

①
②
②
③
M DSP Assy
L DIGITAL MOTHER Assy
N INTERFACE Assy

• DSP Shield 60

① Remove the three screws.

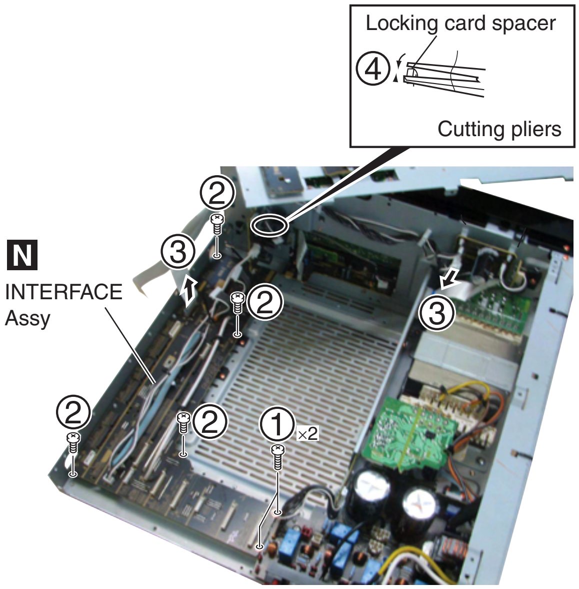
② Disconnect the two connectors.

③ Remove the DSP shield 60.


①
①
S LOCAL SUPPLY Assy
DSP shield 60
③
①
②
②
N
INTERFACE Assy

• INTERFACE Assy

① Remove the two screws.
② Remove the four screws.
③ Disconnect the flexible cable and connector.
④ Release the locking card spacer.


Locking card spacer
④
Cutting pliers
②
③
N
INTERFACE Assy
②
③
②
②
①×2

④ Remove the INTERFACE Assy.

Replace

8. EACH SETTING AND ADJUSTMENT

8.1 ADJUSTMENT

- There is no information to be shown in this chapter.

8.2 HOW TO UPDATE THE DSP FLASH ROM BY PLAYING BACK A CD

[Purpose]

By referring to this section, rewrite the DSP1 and DSP2 Flash ROM when required. Rewriting is instructed through service information, etc. By playing back a CD-R on which a DSP program is recorded, using a normal CD player, rewriting is possible.

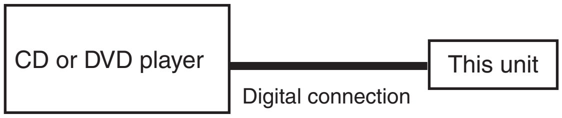
[Tools to be used]

Please use DVD player based on MTK system (DV-270, 370, 373, 575K, 280, 380, 383, etc.) ,Mitsubishi system (DV-59AVi, 868AVi, S969AVi, 668AVi, etc.) or Fujitsu system (DV-343, 444, 545, etc.) DO NOT use DVD player based on ST system (DV-353, 454, 250, 400, 555K, 260, 363, 464, 466, 563, etc.) The factory confirmed that DVD players based on ST system cannot send the correct data to the VSX unit using the update disc.
You can check the base system of our DVD players on the firmware version list at PSN web (Niis)

- Coaxial cable or Optical cable
- Update disc(CD-R disc)
- Headphone

[Connections]

Connect this unit and a player, as shown in the figure below.



[Preparations]

Burn the DSP flash ROM firmware (.wav file) to a CD-R disc using commercially available burning software.
It is necessary to select the writing format to "For music player", not "For PC data".
Note:
Depending on a burning software, data on a CD-R may not be worked for updating the DSP flash ROM.
If the HDMI indicator does not flash when playing back a update disc, the disc is not able to use for updating.
Burn the DSP flash ROM firmware to a CD-R disc, using other burning software.

[Note]

- **Do NOT disconnect the AC cords of this unit nor the CD/DVD player while rewriting is in progress.**
- **The "OK" indication displayed after updating means the checksum on the flash ROM is OK.
  If the "OK" indication is not displayed, updating has not been completed.**

Note that confirmation with audio check or version check is insufficient for checking if updating has been completed.
If you set the unit to STANDBY OFF without confirming of "OK" indication on the FL display, be sure to perform the updating procedures again.

[Procedures]

1. Check the versions of the DSP and microcomputer.
   Check the versions by referring to "Version indication" in "6.1 SERVICE MODE (P.74)."

2. Connect a CD or DVD player.
   (1) Connect the CD or DVD player to be used for updating to any digital input connector of this unit.
   (2) With the INPUT SELECTOR, select the input being used.

3. Check if the digital signal is locked (received).
   (1) Play back a stream for updating with the player.
   (2) Set the receiver to normal setting, "Signal Select" to Auto, then check on the Signal Select indicator whether the input is set to Auto and Digital.

[Procedures]

4. Start up this unit in writing mode.
   (1) Relocate the CD playback starting point to the beginning (time: 0:00) of the track No and pause playback.
   (2) Set the volume of the receiver to - ∞ dB and set the receiver to STANDBY OFF.
   (3) Press the ENTER key and the ON/OFF key of Multi-Zone & Source/REC SEL simultaneously for 3 seconds.
   (4) Press "↑" key until it enters the predetermined mode.
       When DSP1 is downloaded:
         Display: DSP1 DL [START] → Press the Enter key. → Display: DSP1 DL [GO ON]
       When DSP2 is downloaded:
         Display: DSP2 DL [START] → Press the Enter key. → Display: DSP2 DL [GO ON]

5. Play back the track on CD disc.
   (1) Release Pause mode of the player and play back the track where the DSP program stream signal to be burned is stored.
   (2) After 5-10 seconds, the HDMI indicator starts flashing. Be sure to check that it is flashing.
   (3) Flashing indicates that a correct stream is being received and that updating is in progress.

   Note: Do NOT turn off the unit while the HDMI indicator is flashing. If the unit is turned off, be sure to go back to Step 4. (As the Flash ROM goes into unusual status if the power is off during rewriting, the unit may not start properly.) Even in such a case, you can restore the unit by performing Steps 4 to 7.

6. Wait until rewriting is completed.
   (1) Basically, wait until "OK" is displayed on the FL display. It takes about 2 minutes for updating DSP1 and about 15 seconds for updating DSP2.
   (2) After confirming that "OK" is displayed, stop or pause the player then after 5 seconds set the player to STANDBY OFF.

7. Check the version of the program after updating.
   (1) Check the version by simultaneously pressing and holding the ENTER key and Multi-Zone & Source/REC SEL ON/OFF keys.
   (2) Press "↓" key to check the predetermined version.
       DSP1 version: f…….
       DSP2 version: s…….
   (3) For confirmation, check basic operations.

■ Troubleshooting of DSP FLASH ROM UPDATE

Symptoms	Items to be checked
The HDMI indicator does not start flashing, and 10 seconds or more has elapsed after a updating stream is input.	Is DSP writing mode entered? (Simultaneously press and hold the ENTER and VIDEO Multi-Zone & Source/REC SEL ON/OFF keys.)
	Is DIR locked? → You can check this on the Signal Select indicator if the input is set to Auto and Digital. If DIR is not locked, check the input function and digital connections between the player and this unit.
	Is the stream (Track No., etc.) being played back correct?
	Are compressed audio signals, such as WMA, being input when or after writing mode is entered ? → As soon as the compressed audio signals are input, writing mode is exited. It is recommended that playback be paused at the beginning of the track of a updating stream then writing mode is entered by simultaneous pressing of the keys. Release Pause mode after entering of writing mode is confirmed.
Writing mode is not entered upon simultaneous pressing of the ENTER and Multi-Zone & Source/REC SEL ON/OFF keys.	Is the volume control of the receiver set to -∞ dB? If not, set it to -∞ dB (- - -).
	Reset the receiver then enter writing mode. **Note:** All the user data stored in the receiver are cleared when the receiver is reset.
"OK" is not displayed.	Is the track played back from the beginning to the end? → With the receiver in writing mode, be sure to play back the stream track twice.
	If an error is generated because any scratches on the disc, "OK" is not displayed. → In such a case, play back the same stream stored on another track as backup.

8.3 HOW TO UPDATE THE FLASH ROMS FOR VARIOUS MICROCOMPUTERS

■ HDMI, MAIN, DSP and EVENT microcomputer

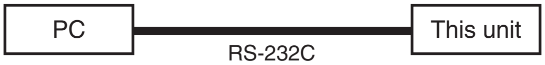
[Purpose]

Refer to this section when updating of a Flash ROM is required by the service information, etc.

[Tools to be used]

- PC with a serial port
- RS-232C cable (9-pin to 9- or 25-pin, interlink)
- Firmware ("mot" extension)
- Program for updating (ufu.exe: ver. 1.08)

[Connections] (MAIN microcomputer)
(DSP microcomputer)
(EVENT microcomputer)
(HDMI microcomputer)
Connect as indicated in the figure right:



RS-232C
interlink cable
(9-pin to 9- or 25-pin)

[Note]

Do NOT disconnect the AC power cords of this unit nor the PC.

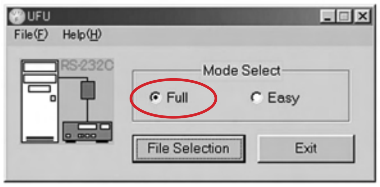
[Procedures]

1. Turn off the power to this unit by setting the main volume level to "---dB" and Multi-Zone to "OFF".
2. Connect the 232C cross cable and the PC, as indicated in "Connections".
3. Simultaneously press and hold the ENTER and MULTI-ZONE ON/OFF keys for about 5 seconds.
4. Turn the power ON at CONFIDENTIAL PANEL mode.
5. (HDMI microcomputer)
   Press ↓ key and select “HDMI DL [START]” display.
   Press ENTER key and set to “HDMI DL [GO ON]”.

   (MAIN microcomputer)
   Press ↓ key and select “MAIN DL [START]” display.
   Press ENTER key and set to “MAIN DL [GO ON]”.

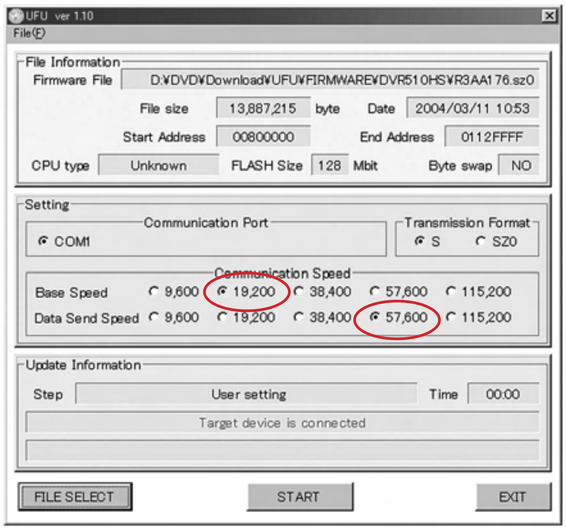
   (DSP microcomputer)
   Press ↓ key and select “DSPM DL [START]” display.
   Press ENTER key and set to “DSPM DL [GO ON]”.

   (EVENT microcomputer)
   Press ↓ key and select “EVNT DL [START]” display.
   Press ENTER key and set to “EVNT DL [GO ON]”.
6. Double-click on "ufu.exe".
7. Check that "Full" is selected in MODE SELECT.
8. Select the firm ware file with "mot" extension.
9. Select the communication speed.
   - Basic speed: 19200
   - Data transfer speed: 57600
10. Click on "START" button.
11. "Completed" is displayed in the"ufu.exe" window.
12. Disconnect then reconnect the AC power cord of the unit. If the unit is not reset, retry from Step 2.
13. Check the version.
    Following the procedures described in "Version indication" in "6.1 SERVICE MODE (P.74)," check that the version has been changed to a new one.



Mode Select
● Full ○ Easy

Check that "Full" is selected in MODE SELECT.



File Information
Firmware File: D:¥DVD¥Download¥UFU¥FIRMWARE¥DVR510HS¥R3AA176.sz0
File size: 13,887,215 byte
Date: 2004/03/11 10:53
Start Address: 00800000
End Address: 0112FFFF
CPU type: Unknown
FLASH Size: 128 Mbit
Byte swap: NO

Setting
Communication Port: ● COM1
Transmission Format: ● S ○ SZ0
Communication Speed
Base Speed: ○ 9,600 ● 19,200 ○ 38,400 ○ 57,600 ○ 115,200
Data Send Speed: ○ 9,600 ○ 19,200 ○ 38,400 ● 57,600 ○ 115,200

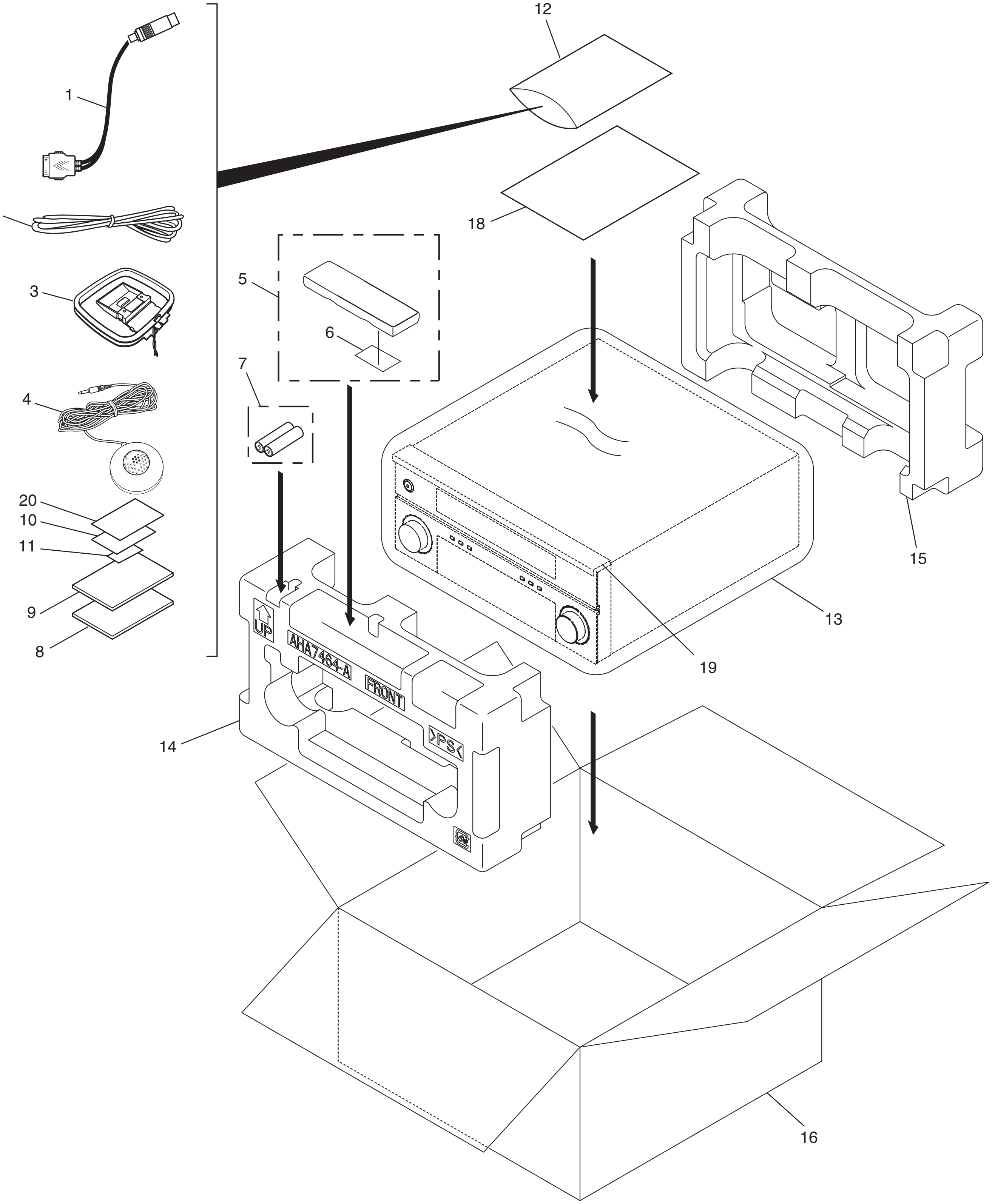
Update Information
Step: User setting
Time: 00:00
Target device is connected

Select the communication speed.
- Basic speed: 19200
- Data transfer speed: 57600

9. EXPLODED VIEWS AND PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Screws adjacent to ▼ mark on product are used for disassembly.*
- *For the applying amount of lubricants or glue, follow the instructions in this manual. (In the case of no amount instructions, apply as you think it appropriate.)*

9.1 PACKING



(1) PACKING SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Audio Control Cable for iPod	XDE7025
	2	FM Wire Antenna	ADH7030
	3	AM Loop Antenna	ATB7013
	4	Setup Microphone (for Auto MCACC setup)	APM7008
	5	Remote Control Unit	See Contrast table (2)
	6	Battery Cover	XZN3140
NSP	7	AA/IEC R6P Dry Cell Batteries	VEM1031
	8	Operating Instructions (English)	ARB7379

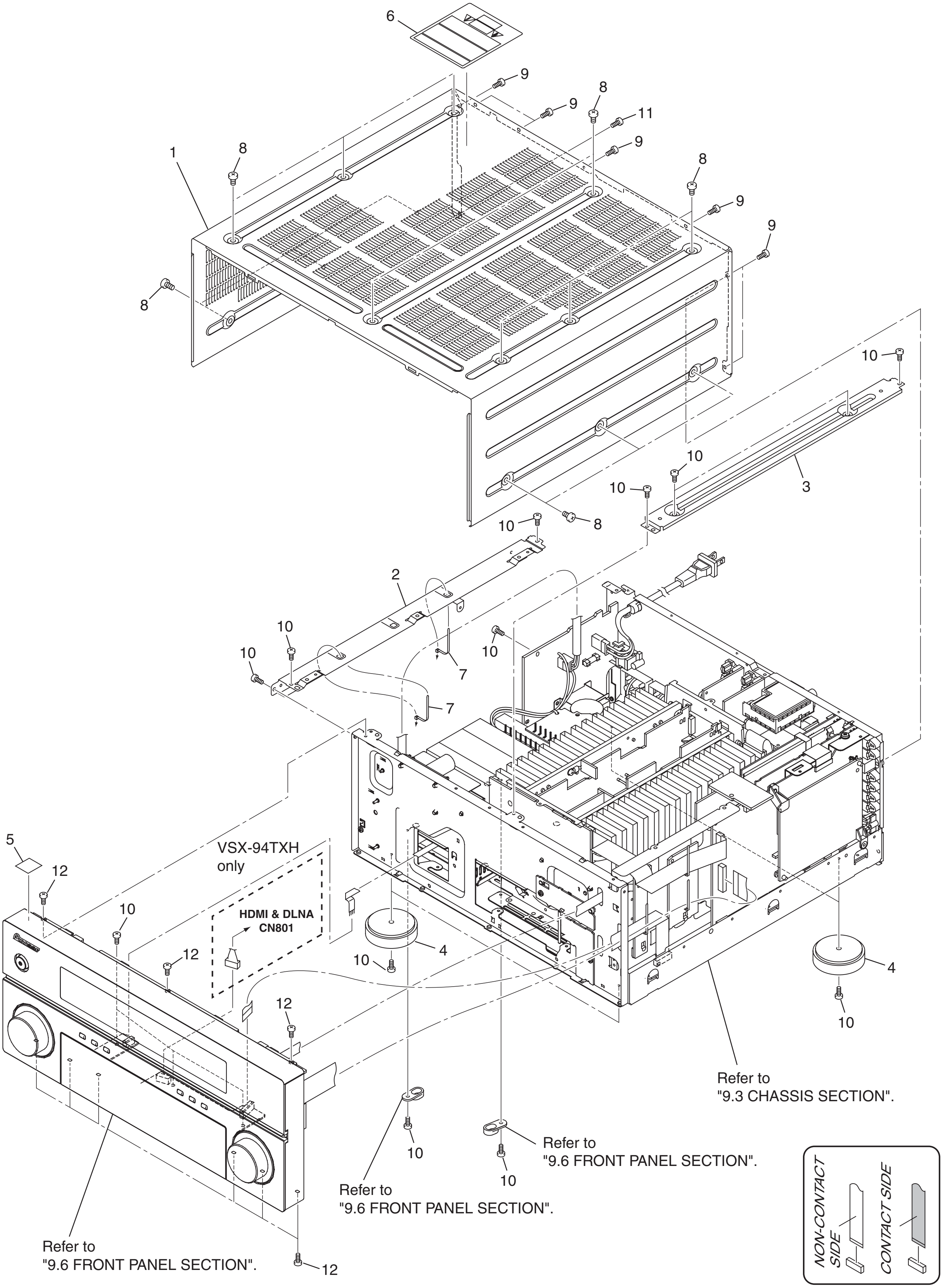
Mark	No.	Description	Part No.
	9	Operating Instructions (Audio Control Cable for iPod)	See Contrast table (2)
	10	Caution Sheet SP, E	ARM7056
NSP	11	Warranty Card	ARY7007
NSP	12	Polyethylene Bag	AHG7117
	13	Packing Sheet	RHC1023
	14	Front Pad LX50	AHA7464
	15	Rear Pad LX50	AHA7465
	16	Packing Case	See Contrast table (2)
	17	• • • • •	
	18	Disclaimer E, F	XRM3008
NSP	19	Spacer LX60	AHC7043
	20	Sirius Caution	ARX7105

(2) CONTRAST TABLE

VSX-94TXH/KUXJ/CA and VSX-92TXH/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-94TXH/ KUXJ/CA	VSX-92TXH/ KUXJ/CA
	5	Remote Control Unit	AXD7504	AXD7501
	9	Operating Instructions	ARB7380	Not used
	16	Packing Case	AHD8548	AHD8553

9.2 EXTERIOR SECTION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VSX-94TXH only
HDMI & DLNA CN801
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12
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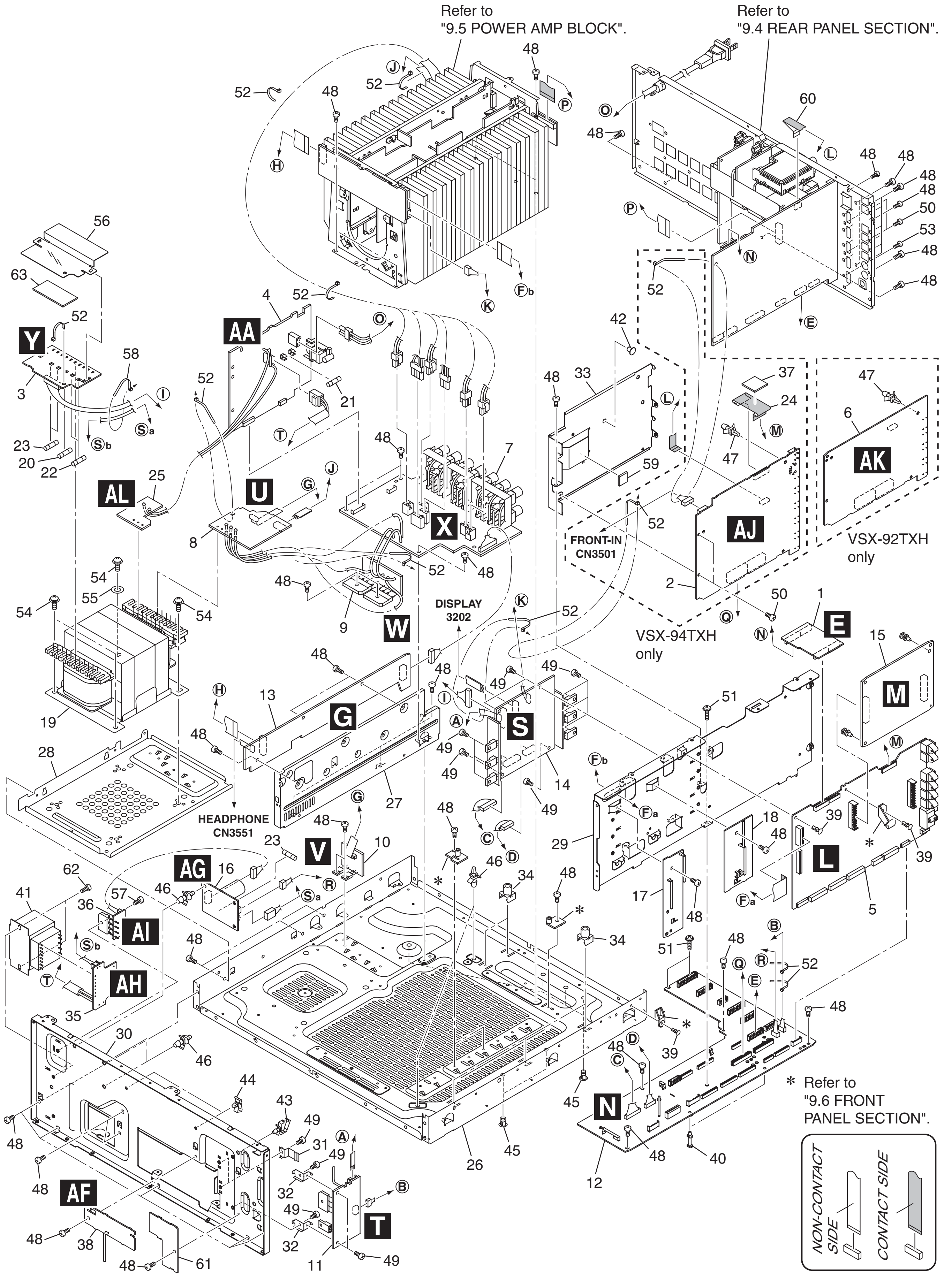
10
Refer to "9.3 CHASSIS SECTION".
10
Refer to "9.6 FRONT PANEL SECTION".
10
Refer to "9.6 FRONT PANEL SECTION".
Refer to "9.6 FRONT PANEL SECTION".
12
NON-CONTACT SIDE
CONTACT SIDE

(1) EXTERIOR SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	Bonnet 60	AZN8028
	2	Left Beam 45	ANG7401
	3	Center Beam V1	ANG7482
	4	Insulator	AMR7198
NSP	5	Energy Star Label	AAX8022
	6	Label (LICENSE HD)	ARW7359
NSP	7	Binder (BK-1)	ZCA-BK1
	8	Screw	BCZ40P060FTB
	9	Screw	BBZ30P060FCC
	10	Screw	BBZ30P080FCC
	11	Screw	IBP30P090FCC
	12	Screw	BBT30P080FCC

9.3 CHASSIS SECTION


Refer to "9.5 POWER AMP BLOCK".
Refer to "9.4 REAR PANEL SECTION".
AA
Y
AL
U
X
W
G
S
AJ
AK
E
M
L
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V
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AI
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T
FRONT-IN CN3501
VSX-94TXH only
VSX-92TXH only
DISPLAY 3202
HEADPHONE CN3551
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* Refer to "9.6 FRONT PANEL SECTION".
NON-CONTACT SIDE
CONTACT SIDE

(1) CHASSIS SECTION PARTS LIST

Mark	No.	Description	Part No.
NSP	1	BRIDGE 1 Assy	AWX8934
	2	HDMI & DLNA Assy	See Contrast table (2)
	3	TRANS 2-2 Assy	AWX8891
	4	PRIMARY Assy	AWX8894
	5	DIGITAL MOTHER Assy	See Contrast table (2)
	6	HDMI & DVC Assy	See Contrast table (2)
	7	SP/PS Assy	See Contrast table (2)
	8	TRANS 2-1 Assy	AWX8913
NSP	9	DIODE Assy	AWX8915
	10	VH TR Assy	AWX8916
	11	DC/DC Assy	See Contrast table (2)
	12	INTERFACE Assy	AWX8919
NSP	13	TRANS SIDE Assy	AWX8921
	14	LOCAL SUPPLY Assy	AWX8923
	15	DSP Assy	AWX8869
NSP	16	HDMI POWER Assy	AWX8933
NSP	17	FFC Guard (Front) Assy	AWX8899
NSP	18	FFC Guard (Side) Assy	AWX8937
⚠	19	Power Transformer (T1501)	ATS7402
⚠	20	Fuse (FU4 : 5A/125V)	REK1067
⚠	21	Fuse (FU1 : 10A/125V)	REK1154
⚠	22	Fuse (FU5, 6 : 1.25A/125V)	REK1143
⚠	23	Fuse (FU7, 8, 9 : 2.5A/125V)	REK1146
	24	22P Flexible Cable (J52)	See Contrast table (2)
	25	TRANS 1 Assy	• • • • •
NSP	26	Under Base 72	ANA7182
	27	Under Beam V1	ANG7478
NSP	28	Trans. Frame 74	ANG7539
NSP	29	DSP Shield 60	ANG7604
NSP	30	Panel Stay 60	ANG7588

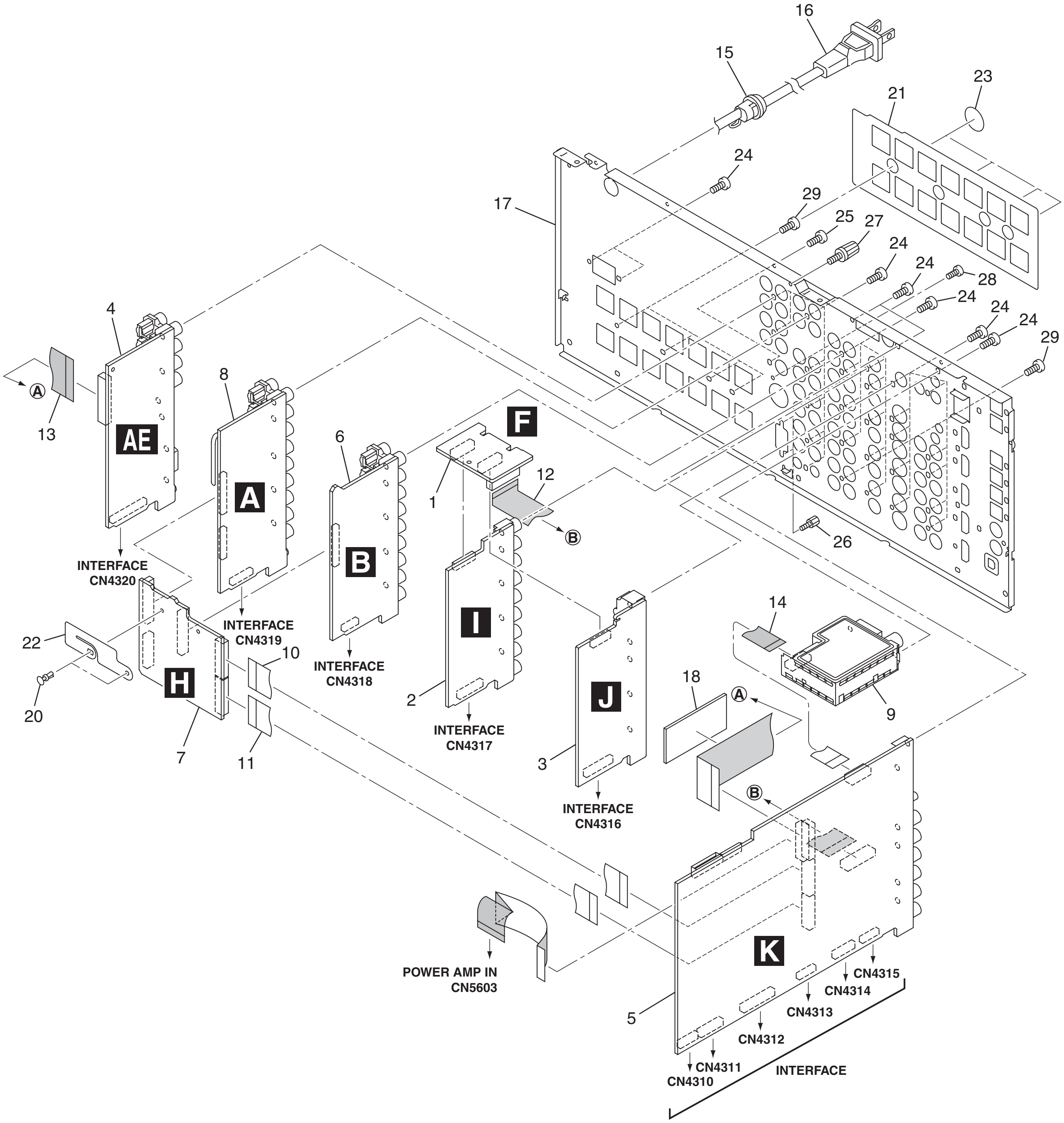
Mark	No.	Description	Part No.
NSP	31	Transistor Holder	ANG7543
NSP	32	DC Assy Holder	ANG7544
	33	HDMI Shield 60	ANK7137
	34	PCB Mold	AMR2534
	35	HDMI TRANS Assy	AWX8939
	36	HDMI DIODE Assy	AWX8940
	37	Shield Cushion	See Contrast table (2)
NSP	38	FR IN BARRIER1 Assy	AWX8948
	39	Nyron Rivet	AEC7408
	40	Card Spacer	AEC7502
⚠	41	Power Transformer (T1502)	ATT7103
	42	PCB Spacer	AEC1084
	43	Locking Wire Saddle	AEC7550
	44	Side Clamp	DEC2007
	45	Card Spacer	DNK2769
	46	Locking Card Spacer	PNW2917
	47	PC Support	VEC1749
	48	Screw	BBZ30P080FCC
	49	Screw	BBZ30P060FCC
	50	Screw	BBZ26P080FCC
	51	Screw 3 x 15	ABA7100
NSP	52	Binder (BK-1)	ZCA-BK1
	53	Screw	PMZ30P060FCC
	54	Screw	ABA7125
	55	Washer	WH40FNI
	56	Trans Barrier 60	AEC7588
	57	Screw	IBZ30P080FCC
	58	• • • • •	
	59	Raditation Sheet	PEB1306
	60	7P Flexible Cable (J55)	ADD7611
NSP	61	FR IN Barrier 2	• • • • •
	62	Screw	IBP30P090FCC
	63	Barrier Cushion	AEB7391

(2) CONTRAST TABLE

VSX-94TXH/KUXJ/CA and VSX-92TXH/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-94TXH/ KUXJ/CA	VSX-92TXH/ KUXJ/CA
	2	HDMI & DLNA Assy	AWX8870	Not used
	5	DIGITAL MOTHER Assy	AWP7046	AWP7052
	6	HDMI & DVC Assy	Not used	AWX8871
	7	SP/PS Assy	AWX8909	AWX8911
	11	DC/DC Assy	AWX8917	AWX8918
	24	22P Flexible Cable (J52)	ADD7633	Not used
	37	Shield Cushion	AEB7372	Not used

9.4 REAR PANEL SECTION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INTERFACE CN4320
INTERFACE CN4319
INTERFACE CN4318
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INTERFACE CN4317
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INTERFACE CN4316
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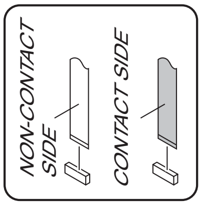
POWER AMP IN CN5603
CN4315
CN4314
CN4313
CN4312
CN4311
CN4310
INTERFACE


NON-CONTACT SIDE
CONTACT SIDE

(1) REAR PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
NSP	1	BRIDGE 2 Assy	AWX8935
	2	COMPOSITE V Assy	AWX8884
	3	S VIDEO Assy	AWX8886
	4	PREOUT & CONTROL Assy	AWX8888
	5	COMPONENT & VOL Assy	See Contrast table (2)
	6	V-AUDIO Assy	AWX8930
NSP	7	BRIDGE 3 Assy	AWX8936
	8	AUDIO & MULTI CH IN Assy	AWX8926
	9	FM/AM TUNER Unit	AXX7250
	10	19P Flexible Cable (J45)	ADD7537
	11	15P Flexible Cable (J46)	ADD7613
	12	17P Flexible Cable (J47)	ADD7534
	13	24P Flexible Cable (J48)	ADD7612
	14	11P Flexible Cable (J54)	ADD7536
	15	Cord Stopper	CM-22C

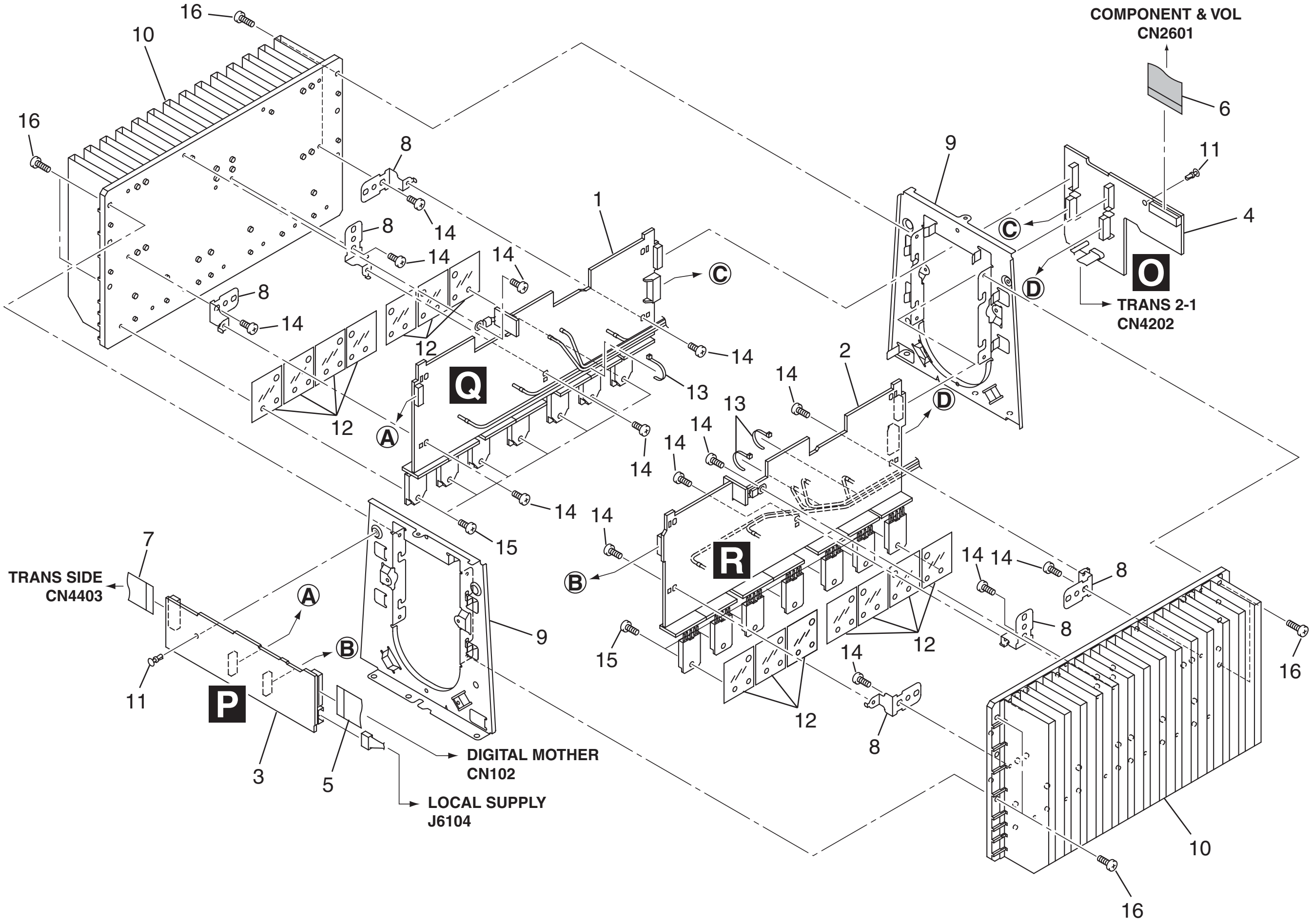
Mark	No.	Description	Part No.
⚠	16	Power Cord	VDG1075
	17	Rear Panel	See Contrast table (2)
	18	FFC Cushion	AEB7373
	19	• • • • •	
	20	Nyron Rivet	AEC7408
	21	SP Sheet 74	AEC7537
NSP	22	Connect Barrier	AEC7541
	23	Cushion Circle 16B	AED7052
	24	Screw	BBZ30P080FCC
	25	Screw	PMZ30P060FCC
	26	Screw 2.85 x 7	ABA7078
	27	Terminal Screw	AKE-031
	28	Screw	BBZ26P080FCC
	29	Screw	BBT30P100FCC

(2) CONTRAST TABLE

VSX-94TXH/KUXJ/CA and VSX-92TXH/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-94TXH/ KUXJ/CA	VSX-92TXH/ KUXJ/CA
	5	COMPONENT & VOL Assy	AWQ7041	AWQ7046
	17	Rear Panel 94KU	ANC8483	Not used
	17	Rear Panel 92KU	Not used	ANC8488

9.5 POWER AMP SECTION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C
D
D
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O
COMPONENT & VOL
CN2601
TRANS 2-1
CN4202
7
TRANS SIDE
CN4403
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P
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DIGITAL MOTHER
CN102
LOCAL SUPPLY
J6104
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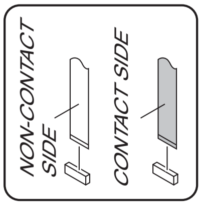
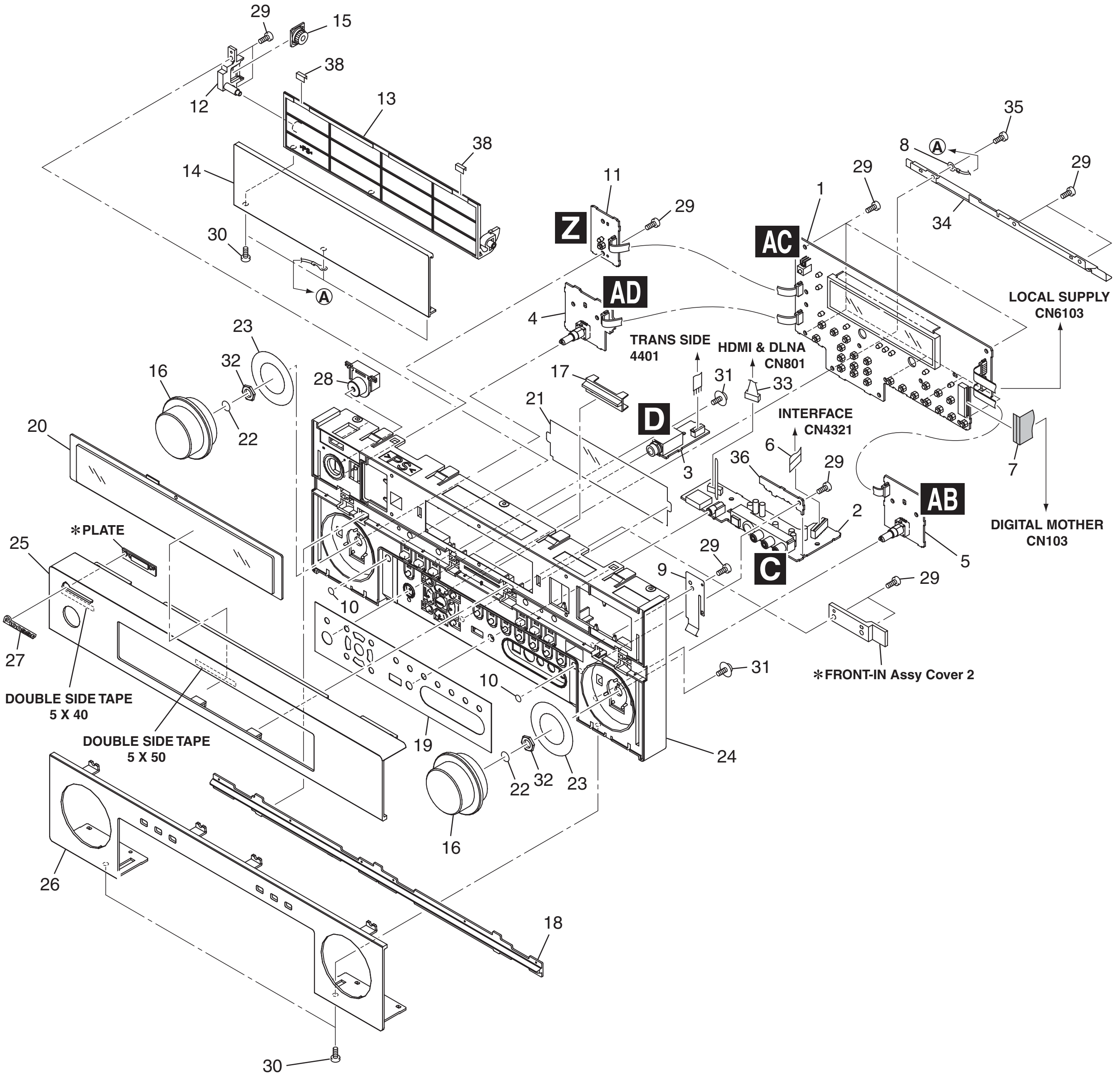

NON-CONTACT SIDE
CONTACT SIDE

(1) POWER AMP SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	POWER AMP-L Assy	AWX8654
	2	POWER AMP-R Assy	AWX8656
	3	POWER PROTECT Assy	AWX8658
	4	POWER AMP IN Assy	AWX8662
	5	19P Flexible Cable (J43)	ADD7509
	6	19P Flexible Cable (J44)	ADD7535
	7	17P Flexible Cable (J51)	ADD7516
	8	PCB Angle 45	ANG7406
NSP	9	HS Angle 74	ANG7542
NSP	10	Heatsink 74	ANH7181
	11	Nyron Rivet	AEC7408
	12	Mica Sheet	AEC7545
NSP	13	Binder (BK-1)	ZCA-BK1
	14	Screw	BBZ30P080FCC
	15	Screw 3 x 19	ABA7085
	16	Screw	BBT30P100FCC

9.6 FRONT PANEL SECTION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AC
LOCAL SUPPLY
CN6103
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TRANS SIDE
4401
HDMI & DLNA
CN801
INTERFACE
CN4321
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AB
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DIGITAL MOTHER
CN103
C
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9
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*PLATE
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10
27
DOUBLE SIDE TAPE
5 X 40
DOUBLE SIDE TAPE
5 X 50
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*FRONT-IN Assy Cover 2
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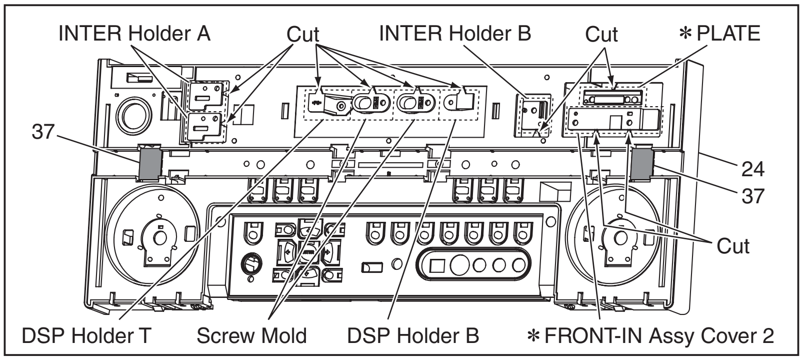
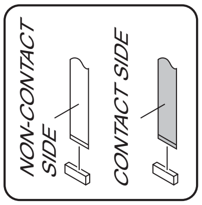

INTER Holder A
Cut
INTER Holder B
Cut
*PLATE
37
24
37
Cut
DSP Holder T
Screw Mold
DSP Holder B
*FRONT-IN Assy Cover 2


NON-CONTACT SIDE
CONTACT SIDE

(1) FRONT PANEL SECTION PARTS LIST

Mark	No.	Description	Part No.
	1	DISPLAY Assy	AWX8900
	2	FRONT-IN Assy	See Contrast table (2)
	3	HEADPHONE Assy	AWX8905
	4	INPUT SELECT Assy	AWX8906
	5	VOLUME Assy	AWX8907
	6	15P Flexible Cable (J41)	ADD7610
	7	31P Flexible Cable (J42)	ADD7609
NSP	8	Cord with Plug	ADH7022
	9	Door Spring	ABK7061
	10	Cushion Circle	AED7083
	11	POWER SW Assy	AWX8908
	12	Door Shaft 60	AMR7531
	13	Door Base 60HY	AMR7529
	14	Door Panel 92KU	ANB7470
	15	Damper Assy (240)	AXA7136
	16	VOL. Knob	AAA7052
	17	IB Lens 60	AAK8379
	18	Center Lens 60	AAK8380
	19	Door Sheet	See Contrast table (2)
	20	Window 92KU	AAK8382

Mark	No.	Description	Part No.
	21	Filter 92KU	AAK8412
	22	VOL Ring 60	ABH7249
	23	Knob Spacer 74	AEC7558
	24	Panel Base 92KU	AMB7967
	25	Front Panel TOP	See Contrast table (2)
	26	Front Panel BTM	ANB7466
	27	Pioneer Badge B	PAN1376
	28	STBY BTN 915K Assy	XAD3216
	29	Screw	BBZ30P080FNI
	30	Screw	BBZ30P080FTB
	31	Screw	ABA7110
	32	Nut	NK90FTC
	33	5P Shielded Cable	See Contrast table (2)
	34	Panel Beam 60	ANG7590
	35	Screw	BBZ30P100FTC
NSP	36	FRONT-IN Assy Cover1	• • • • •
	37	Cushion 15 X 20	AED7106
	38	Cushion 11 X 7	AED7092

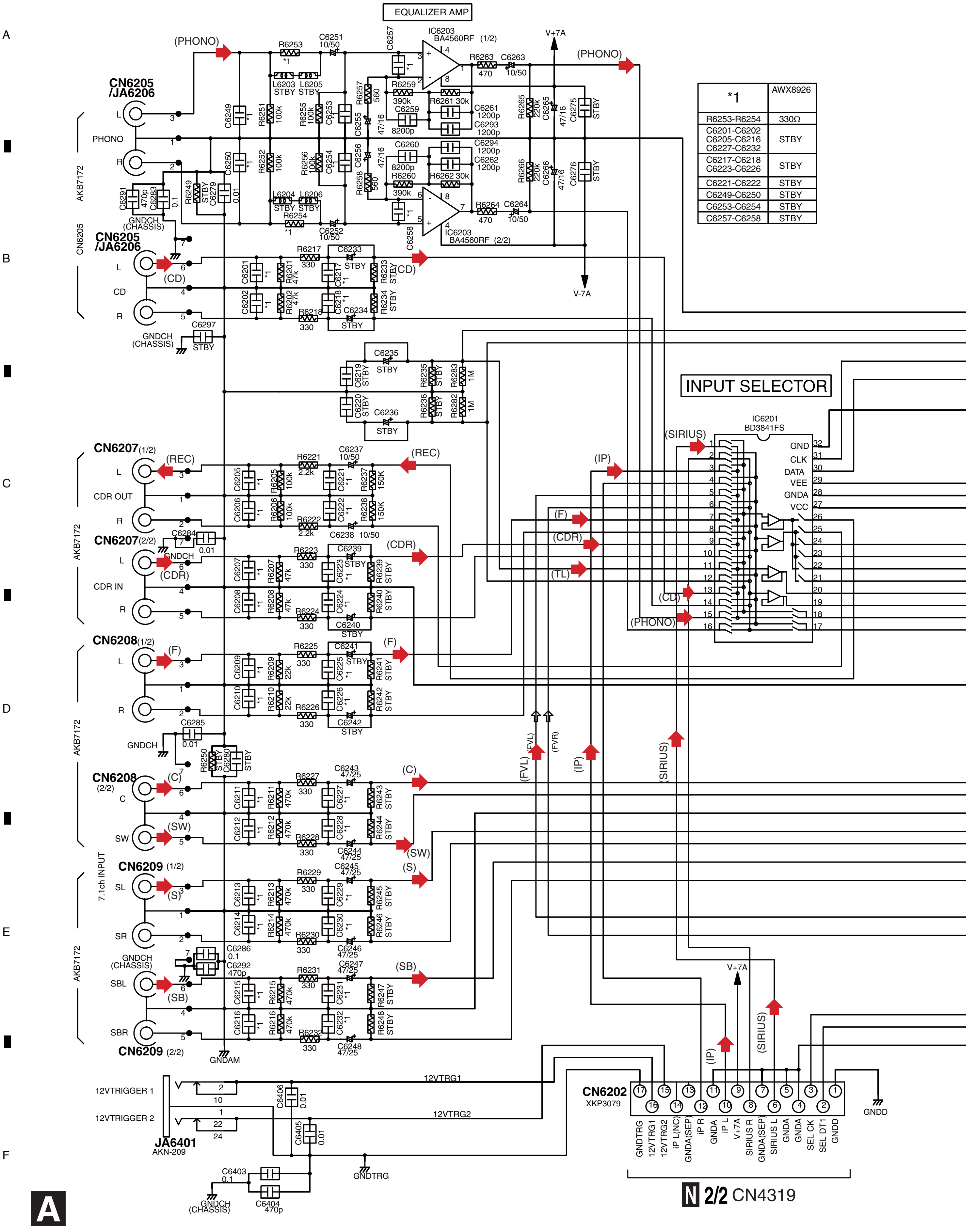
(2) CONTRAST TABLE

VSX-94TXH/KUXJ/CA and VSX-92TXH/KUXJ/CA are constructed the same except for the following:

Mark	No.	Symbol and Description	VSX-94TXH/ KUXJ/CA	VSX-92TXH/ KUXJ/CA
	2	FRONT-IN Assy	AWX8902	AWX8903
	19	Door Sheet 94KU	AAK8395	Not used
	19	Door Sheet 92KU	Not used	AAK8381
	25	Front Panel TOP 94KU	ANB7462	Not used
	25	Front Panel TOP 92KU	Not used	ANB7459
	33	5P Shielded Cable	ADX7573	Not used

10. SCHEMATIC DIAGRAM

10.1 AUDIO & MULTI CH IN ASSY



EQUALIZER AMP
IC6203 BA4560RF (1/2)
IC6203 BA4560RF (2/2)
V+7A
V-7A
(PHONO)
CN6205 /JA6206
PHONO
L
R
AKB7172
GNDCH (CHASSIS)
CD
(CD)
CN6207(1/2)
(REC)
CDR OUT
CN6207(2/2)
CDR IN
(CDR)
CN6208(1/2)
(F)
CN6208 (2/2)
(C)
C
SW
(SW)
7.1ch INPUT
CN6209 (1/2)
SL
SR
(S)
SBL
SBR
(SB)
CN6209 (2/2)
GNDAM
INPUT SELECTOR
IC6201 BD3841FS
(SIRIUS)
(IP)
(TL)
(FVL)
(FVR)
GND
CLK
DATA
VEE
GNDA
VCC
12VTRIGGER 1
12VTRIGGER 2
JA6401 AKN-209
12VTRG1
12VTRG2
GNDTRG
C6403 0.1
C6404 470p
C6405 0.01
C6406 0.01
CN6202 XKP3079
GNDTRG
12VTRG1
12VTRG2
iP L(NC)
GNDA(SEP)
iP R
GNDA
iP L
V+7A
SIRIUS R
GNDA(SEP)
SIRIUS L
GNDA
GNDA
SEL CK
SEL DT1
GNDD
N 2/2 CN4319

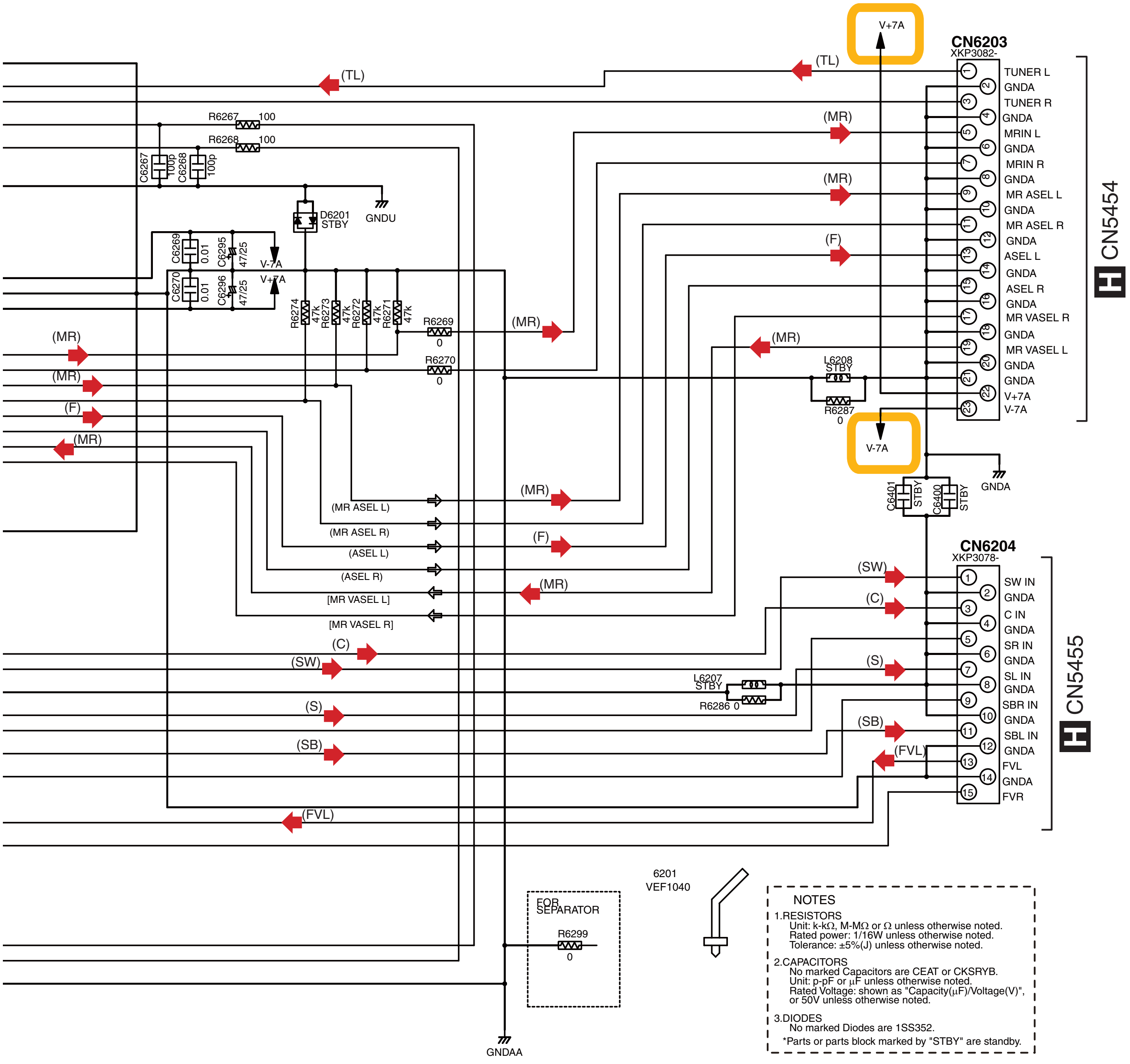
*1	AWX8926
R6253-R6254	330Ω
C6201-C6202 C6205-C6216 C6227-C6232	STBY
C6217-C6218 C6223-C6226	STBY
C6221-C6222	STBY
C6249-C6250	STBY
C6253-C6254	STBY
C6257-C6258	STBY

A

(F) ➡ : AUDIO SIGNAL ROUTE(F)
(C) ➡ : AUDIO SIGNAL ROUTE(C)
(S) ➡ : AUDIO SIGNAL ROUTE(S)
(SB) ➡ : AUDIO SIGNAL ROUTE(SB)
(SW) ➡ : AUDIO SIGNAL ROUTE(SW)
(PHONO) ➡ : AUDIO SIGNAL ROUTE (PHONO)
(IP) ➡ : AUDIO SIGNAL ROUTE(IP)
(SIRIUS) ➡ : AUDIO SIGNAL ROUTE(SIRIUS)

(CD) ➡ : AUDIO SIGNAL ROUTE (CD)
(TL) ➡ : AUDIO SIGNAL ROUTE (TL)
(MR) ➡ : AUDIO SIGNAL ROUTE (MR)
(REC) ➡ : AUDIO SIGNAL ROUTE (REC)
(CDR) ➡ : AUDIO SIGNAL ROUTE (CDR)
(FVL) ➡ : AUDIO SIGNAL ROUTE (FVL)

A AUDIO & MULTI CH IN ASSY (AWX8926)


V+7A
CN6203
XKP3082-
(TL)
TUNER L
GNDA
TUNER R
GNDA
MRIN L
GNDA
MRIN R
GNDA
MR ASEL L
GNDA
MR ASEL R
GNDA
ASEL L
GNDA
ASEL R
GNDA
MR VASEL R
GNDA
MR VASEL L
GNDA
GNDA
V+7A
V-7A
H CN5454
(MR)
(F)
R6267 100
R6268 100
C6267 100p
C6268 100p
D6201 STBY
GNDU
C6269 0.01
C6295 47/25
C6270 0.01
C6296 47/25
V-7A
V+7A
R6274 47k
R6273 47k
R6272 47k
R6271 47k
R6269 0
R6270 0
L6208 STBY
R6287 0
V-7A
GNDA
C6401 STBY
C6400 STBY
(MR ASEL L)
(MR ASEL R)
(ASEL L)
(ASEL R)
[MR VASEL L]
[MR VASEL R]
CN6204
XKP3078-
SW IN
GNDA
C IN
GNDA
SR IN
GNDA
SL IN
GNDA
SBR IN
GNDA
SBL IN
GNDA
FVL
GNDA
FVR
H CN5455
(SW)
(C)
(S)
(SB)
(FVL)
L6207 STBY
R6286 0
FOR SEPARATOR
R6299
0
6201
VEF1040
GNDAA

NOTES
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.
3.DIODES
No marked Diodes are 1SS352.
*Parts or parts block marked by "STBY" are standby.

10.2 V-AUDIO ASSY

A

B V-AUDIO ASSY (AWX8930)

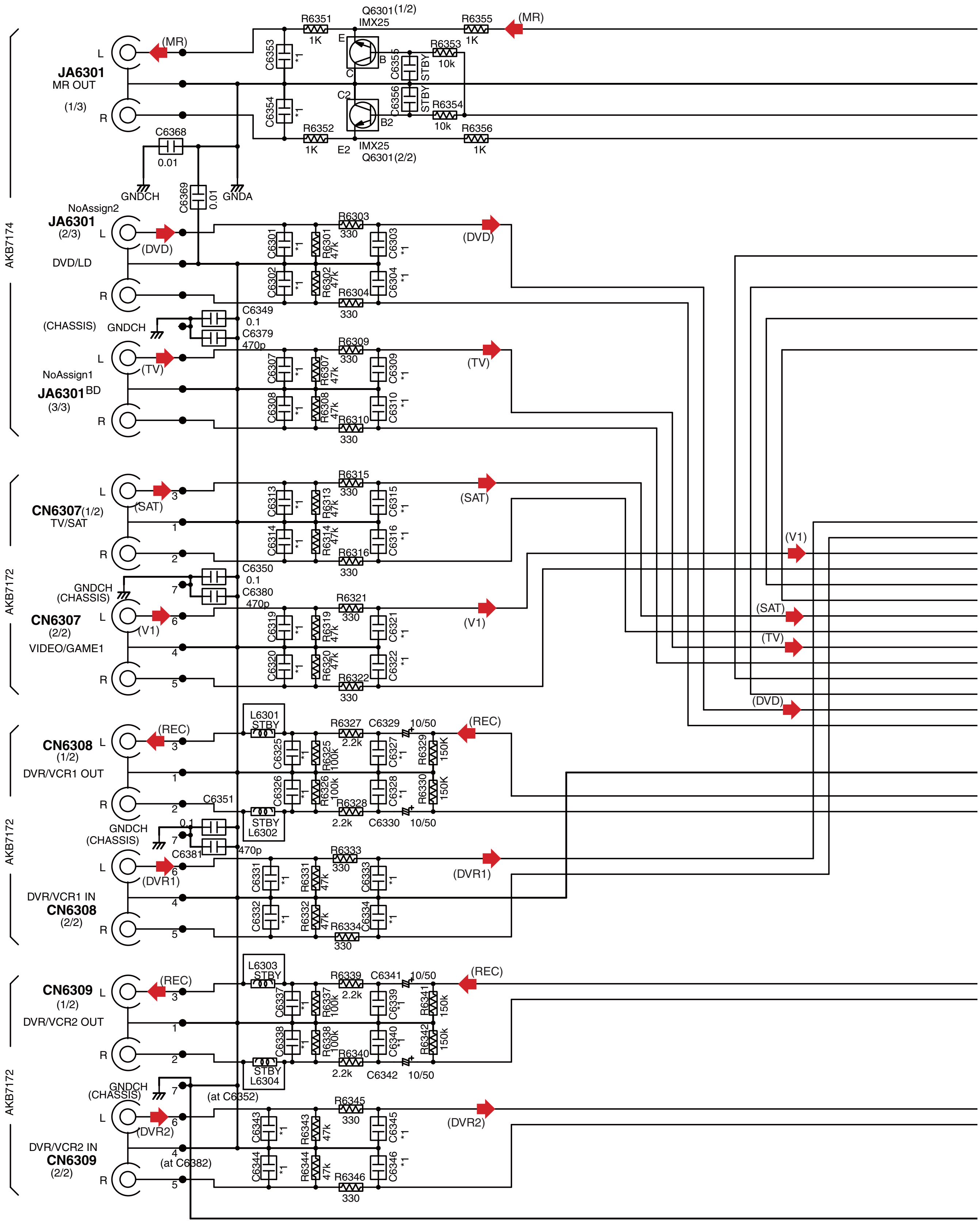
B

C

D

E

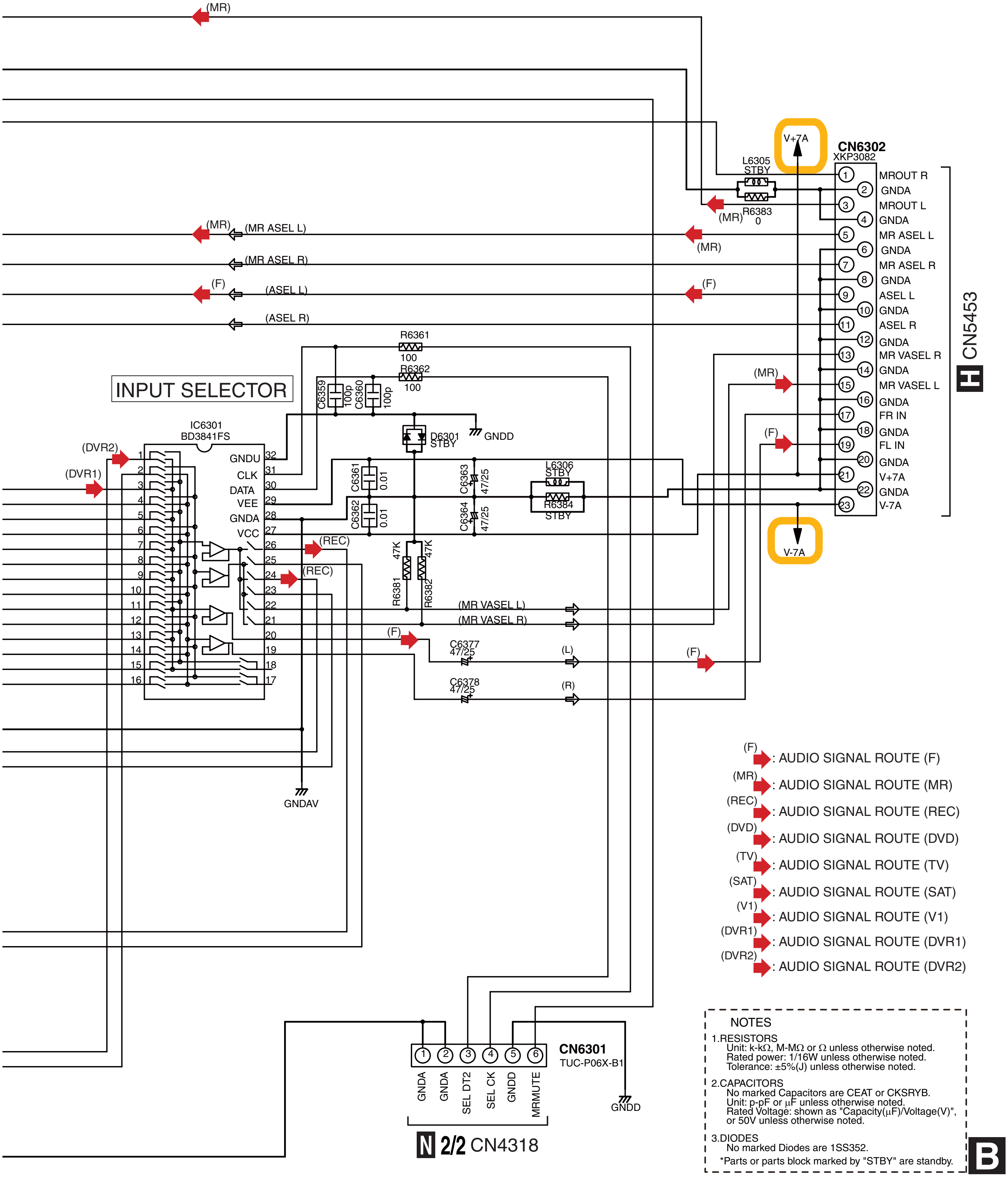
F



JA6301
MR OUT
(1/3)
L
R
(MR)
R6351
1K
Q6301(1/2)
IMX25
E
B
C
C2
B2
E2
IMX25
Q6301(2/2)
C6353
C6354
*1
C6355
C6356
STBY
R6353
10k
R6354
10k
R6355
1K
R6356
1K
R6352
1K
(MR)
C6368
0.01
GNDCH
C6369
0.01
GNDA
AKB7174
NoAssign2
JA6301
(2/3)
DVD/LD
(DVD)
C6301
C6302
R6301
47k
R6302
47k
R6303
330
R6304
330
C6303
C6304
(DVD)
(CHASSIS)
GNDCH
C6349
0.1
C6379
470p
NoAssign1
JA6301BD
(3/3)
(TV)
C6307
C6308
R6307
47k
R6308
47k
R6309
330
R6310
330
C6309
C6310
(TV)
CN6307(1/2)
TV/SAT
(SAT)
C6313
C6314
R6313
47k
R6314
47k
R6315
330
R6316
330
C6315
C6316
(SAT)
AKB7172
GNDCH
(CHASSIS)
C6350
0.1
C6380
470p
CN6307
(2/2)
VIDEO/GAME1
(V1)
C6319
C6320
R6319
47k
R6320
47k
R6321
330
R6322
330
C6321
C6322
(V1)
(V1)
(SAT)
(TV)
(DVD)
CN6308
(1/2)
DVR/VCR1 OUT
(REC)
L6301
STBY
R6327
2.2k
C6329
10/50
C6325
C6326
R6325
100k
R6326
100k
C6327
C6328
R6329
150K
R6330
150K
R6328
2.2k
C6330
10/50
(REC)
C6351
0.1
STBY
L6302
GNDCH
(CHASSIS)
C6381
470p
(DVR1)
DVR/VCR1 IN
CN6308
(2/2)
R6333
330
C6331
C6332
R6331
47k
R6332
47k
C6333
C6334
R6334
330
(DVR1)
CN6309
(1/2)
DVR/VCR2 OUT
(REC)
L6303
STBY
R6339
2.2k
C6341
10/50
C6337
C6338
R6337
100k
R6338
100k
C6339
C6340
R6341
150k
R6342
150k
R6340
2.2k
C6342
10/50
STBY
L6304
(REC)
GNDCH
(CHASSIS)
(at C6352)
(DVR2)
DVR/VCR2 IN
CN6309
(2/2)
(at C6382)
R6345
330
C6343
C6344
R6343
47k
R6344
47k
C6345
C6346
R6346
330
(DVR2)
1
2
3
4
5
6
7

*1

	AWX8930
C6353-C6354	STBY
C6301-C6304 C6307-C6310 C6213-C6316 C6319-C6322 C6325-C6326 C6331-C6334 C6337-C6338 C6343-C6346	STBY
C6327-C6328 C6339-C6340	STBY


(MR)
(MR ASEL L)
(MR ASEL R)
(F)
(ASEL L)
(ASEL R)
INPUT SELECTOR
IC6301
BD3841FS
(DVR2)
(DVR1)
GNDU
CLK
DATA
VEE
GNDA
VCC
(REC)
R6361
100
R6362
100
C6359
100p
C6360
100p
D6301
STBY
GNDD
C6361
0.01
C6362
0.01
C6363
47/25
C6364
47/25
L6306
STBY
R6384
STBY
47K
R6381
R6382
(MR VASEL L)
(MR VASEL R)
C6377
47/25
C6378
47/25
(L)
(R)
GNDAV
V+7A
V-7A
L6305
STBY
R6383
0
CN6302
XKP3082
MROUT R
GNDA
MROUT L
GNDA
MR ASEL L
GNDA
MR ASEL R
GNDA
ASEL L
GNDA
ASEL R
GNDA
MR VASEL R
GNDA
MR VASEL L
GNDA
FR IN
GNDA
FL IN
GNDA
V+7A
GNDA
V-7A
H CN5453
CN6301
TUC-P06X-B1
GNDA
GNDA
SEL DT2
SEL CK
GNDD
MRMUTE
GNDD
N 2/2 CN4318

(F) : AUDIO SIGNAL ROUTE (F)
(MR) : AUDIO SIGNAL ROUTE (MR)
(REC) : AUDIO SIGNAL ROUTE (REC)
(DVD) : AUDIO SIGNAL ROUTE (DVD)
(TV) : AUDIO SIGNAL ROUTE (TV)
(SAT) : AUDIO SIGNAL ROUTE (SAT)
(V1) : AUDIO SIGNAL ROUTE (V1)
(DVR1) : AUDIO SIGNAL ROUTE (DVR1)
(DVR2) : AUDIO SIGNAL ROUTE (DVR2)

NOTES

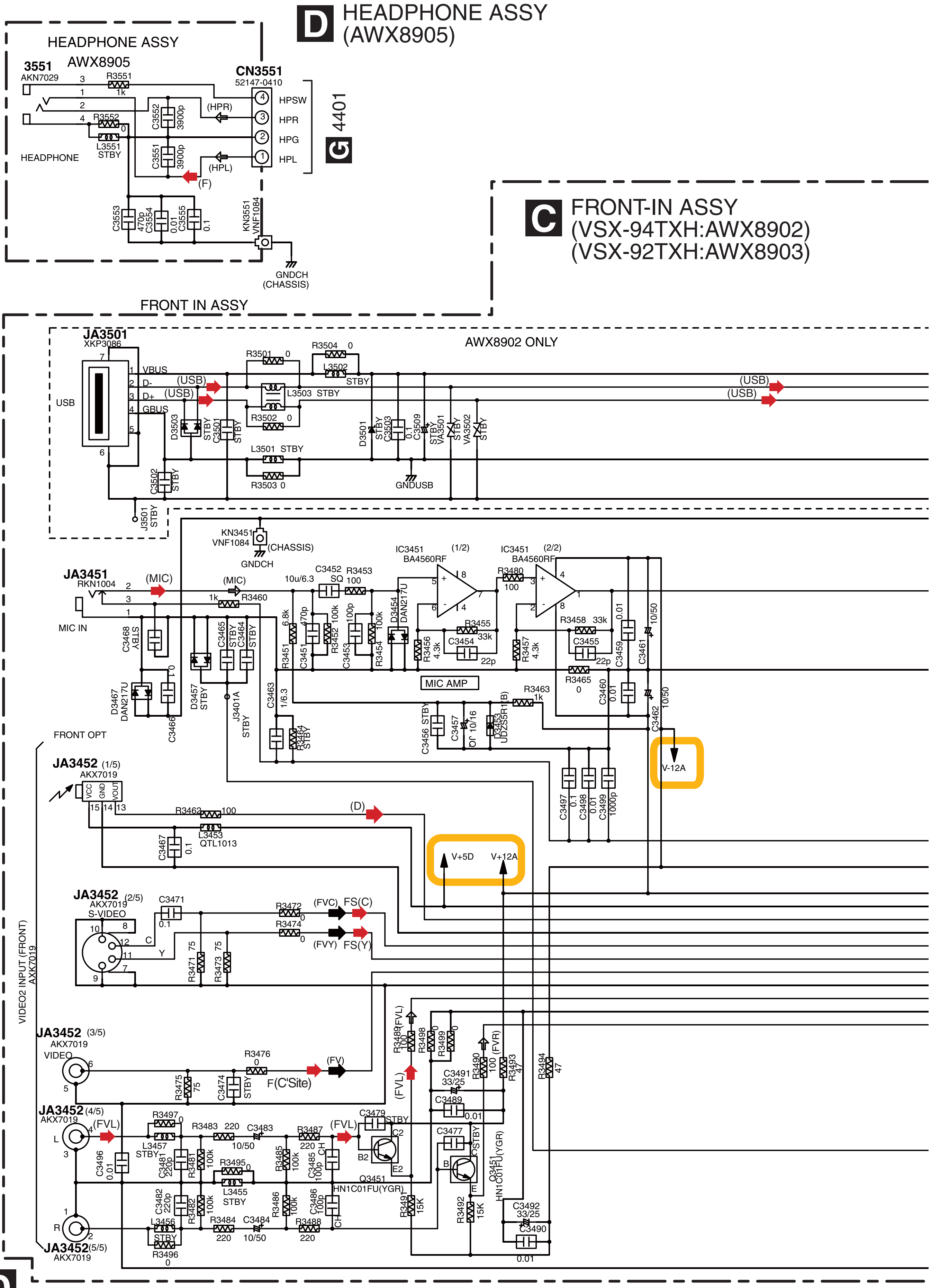
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as "Capacity(µF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.
*Parts or parts block marked by "STBY" are standby.

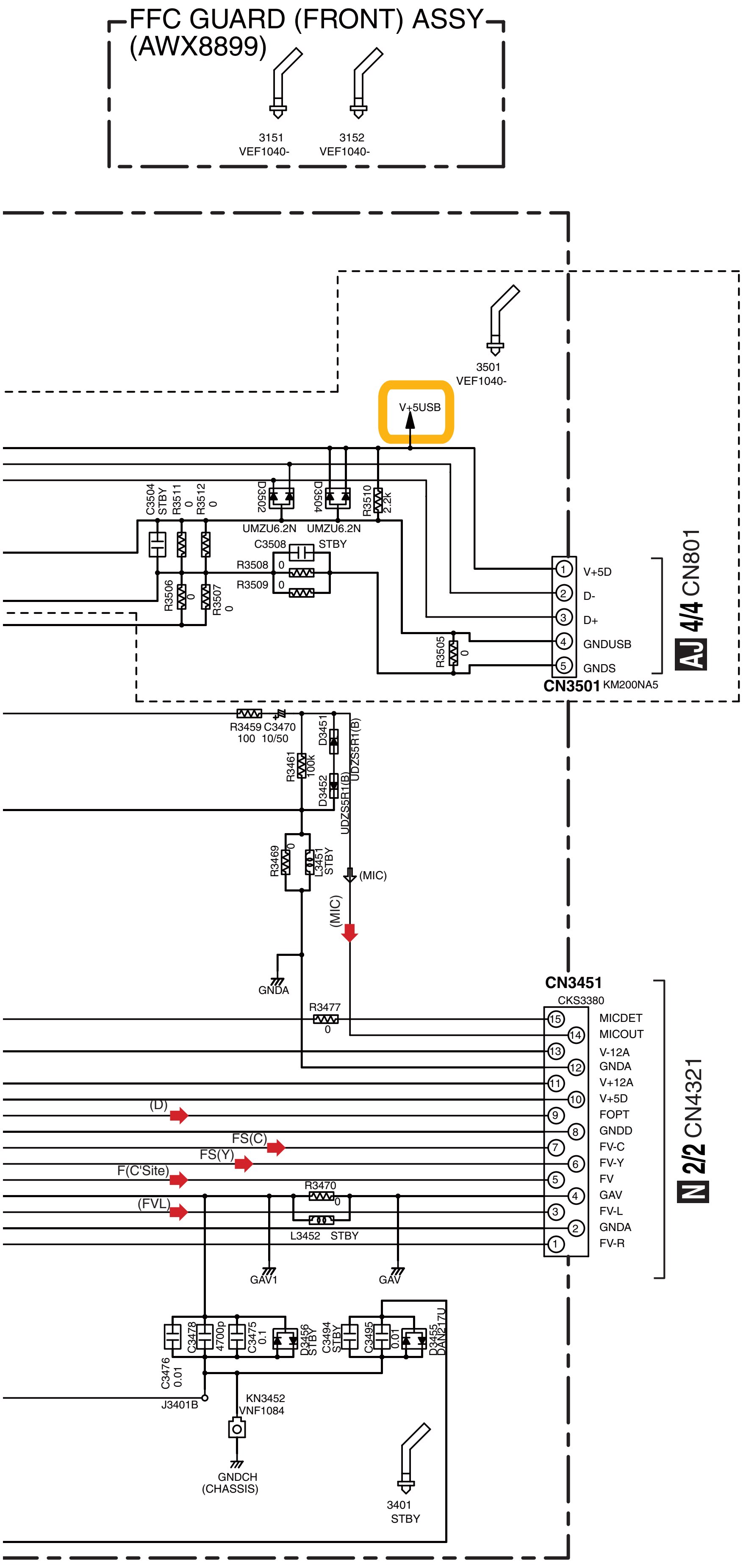
B

10.3 FRONT-IN and HEADPHONE ASSYS



D HEADPHONE ASSY
(AWX8905)
HEADPHONE ASSY
AWX8905
3551
AKN7029
HEADPHONE
R3551 1k
R3552 0
L3551 STBY
C3552 3900p
C3551 3900p
CN3551
52147-0410
HPSW
HPR
HPG
HPL
(HPR)
(HPL)
(F)
G 4401
C3553 470p
C3554 0.01
C3555 0.1
KN3551 VNF1084
GNDCH
(CHASSIS)
C FRONT-IN ASSY
(VSX-94TXH:AWX8902)
(VSX-92TXH:AWX8903)
FRONT IN ASSY
AWX8902 ONLY
JA3501
XKP3086
USB
VBUS
D-
D+
GBUS
(USB)
R3501 0
R3504 0
L3502 STBY
L3503 STBY
R3502 0
L3501 STBY
R3503 0
D3503 STBY
C3501 STBY
C3502 STBY
J3501 STBY
D3501 STBY
C3503 0.1
C3509 STBY
VA3501 STBY
VA3502 STBY
GNDUSB
KN3451
VNF1084
(CHASSIS)
GNDCH
JA3451
RKN1004
MIC IN
(MIC)
R3460 1k
C3452 10u/6.3
R3453 100
IC3451 (1/2) BA4560RF
IC3451 (2/2) BA4560RF
R3480 100
R3451 6.8k
C3451 470p
R3452 100k
C3453 100p
R3454 100k
D3454 DAN217U
R3456 4.3k
C3454 22p
R3455 33k
R3457 4.3k
R3458 33k
C3455 22p
C3459 0.01
C3461 10/50
R3465 0
C3460 0.01
C3462 10/50
MIC AMP
R3463 1k
C3468 STBY
D3467 DAN217U
C3466 0.1
D3457 STBY
C3465 STBY
C3464 STBY
J3401A STBY
C3463 1/6.3
R3464 STBY
C3456 STBY
C3457 10/16
D3453 UDZS5R1(B)
FRONT OPT
JA3452 (1/5)
AKX7019
VCC GND VOUT
R3462 100
L3453 QTL1013
C3467 0.1
(D)
V+5D
V+12A
V-12A
C3497 0.1
C3498 0.01
C3499 1000p
JA3452 (2/5)
AKX7019
S-VIDEO
C3471 0.1
R3472 0
R3474 0
(FVC) FS(C)
(FVY) FS(Y)
R3471 75
R3473 75
VIDEO2 INPUT (FRONT)
AKX7019
JA3452 (3/5)
AKX7019
VIDEO
R3475 75
C3474 STBY
R3476 0
(FV)
F(C'Site)
JA3452 (4/5)
AKX7019
(FVL)
R3497 0
L3457 STBY
C3496 0.01
C3481 220p
R3481 100k
R3483 220
C3483 10/50
R3495 0
L3455 STBY
R3485 100k
C3485 100p CH
R3487 220
C3479 STBY
Q3451 HN1C01FU(YGR)
C3477 STBY
R3491 15K
R3492 15K
R3489 100
R3498 0
R3499 0
C3491 33/25
C3489 0.01
R3490 100
R3493 47
R3494 47
(FVR)
C3492 33/25
C3490 0.01
JA3452(5/5)
AKX7019
L3456 STBY
R3496 0
C3482 220p
R3482 100k
R3484 220
C3484 10/50
R3486 100k
C3486 100p CH
R3488 220

C D

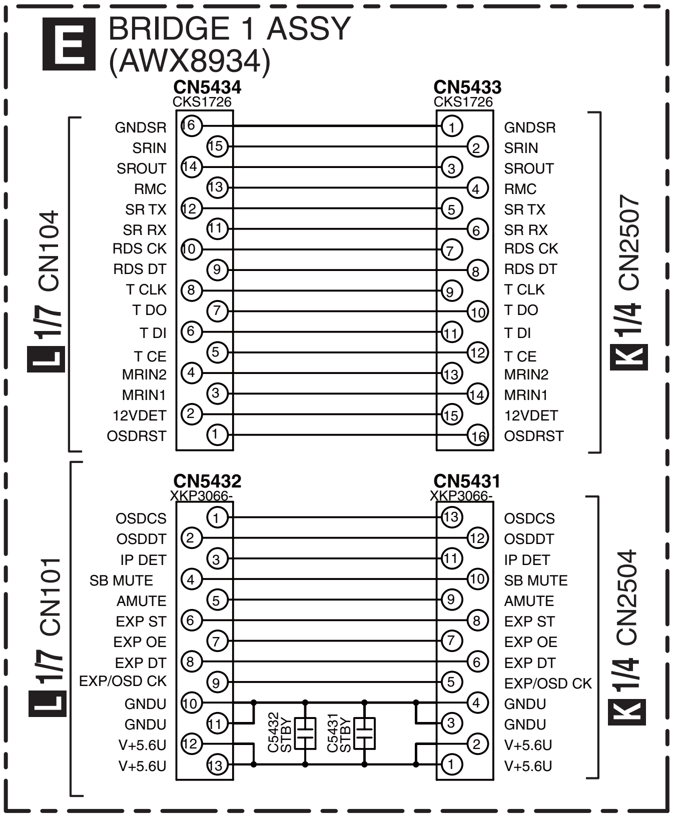

FFC GUARD (FRONT) ASSY
(AWX8899)
3151
VEF1040-
3152
VEF1040-
3501
VEF1040-
V+5USB
C3504
STBY
R3511
0
R3512
0
D3502
D3504
R3510
2.2k
UMZU6.2N
UMZU6.2N
C3508
STBY
R3508
0
R3509
0
R3506
0
R3507
0
R3505
0
V+5D
D-
D+
GNDUSB
GNDS
CN3501
KM200NA5
AJ 4/4 CN801
R3459
100
C3470
10/50
D3451
UDZS5R1(B)
R3461
100k
D3452
UDZS5R1(B)
R3469
0
L3451
STBY
(MIC)
(MIC)
GNDA
R3477
0
CN3451
CKS3380
MICDET
MICOUT
V-12A
GNDA
V+12A
V+5D
FOPT
GNDD
FV-C
FV-Y
FV
GAV
FV-L
GNDA
FV-R
N 2/2 CN4321
(D)
FS(C)
FS(Y)
F(C'Site)
(FVL)
R3470
0
L3452
STBY
GAV1
GAV
C3476
0.01
C3478
4700p
C3475
0.1
D3456
STBY
C3494
STBY
C3495
0.01
D3455
DAN217U
J3401B
KN3452
VNF1084
GNDCH
(CHASSIS)
3401
STBY

FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)
(FVL) ➡ : VIDEO SIGNAL ROUTE (VIDEO 2)
(F) ➡ : AUDIO SIGNAL ROUTE (F)
(MIC) ➡ : AUDIO SIGNAL ROUTE (MIC)
(D) ➡ : AUDIO SIGNAL ROUTE (SPDIF)
(USB) ➡ : AUDIO SIGNAL ROUTE (USB)

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

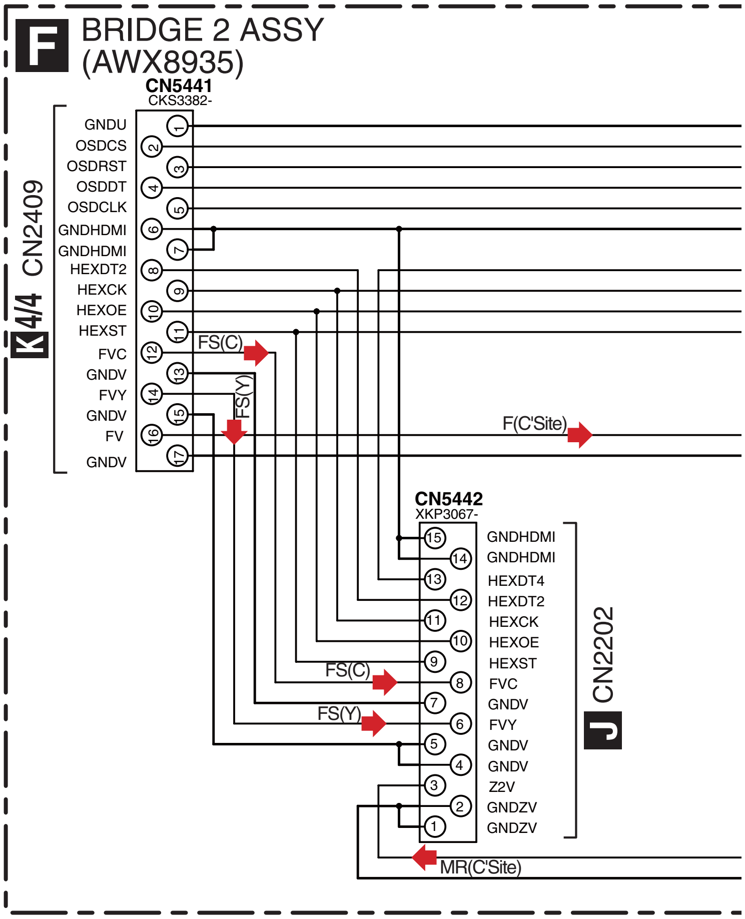
NOTE
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: (J) ±5% unless otherwise noted.
2.CAPACITORS
Unit: p-pF or μF unless otherwise noted.
Ratings: Capacity(μF)/Voltage(V) unless otherwise noted.
Rated Voltage: 50V expect for electrolytic capacitors.
JQ:CEJQ

10.4 BRIDGE1, BRIDGE2, TRANS SIDE and BRIDGE3 ASSYS



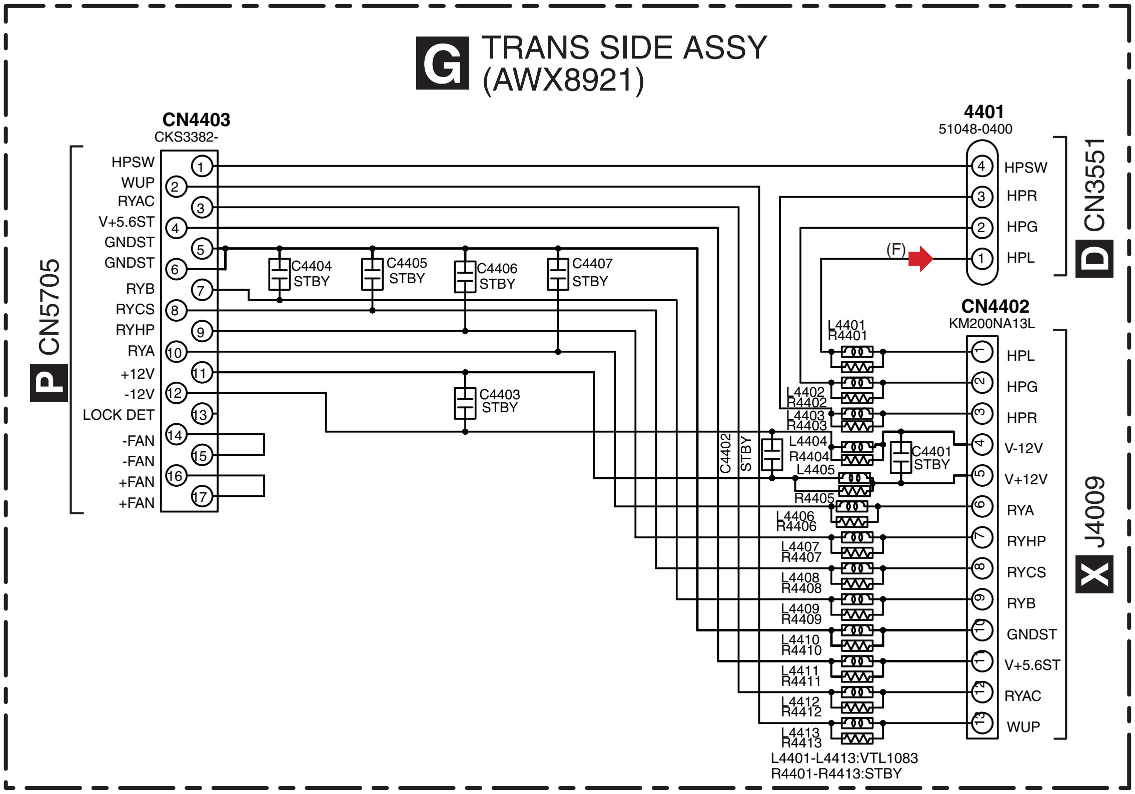
E BRIDGE 1 ASSY (AWX8934)

CN5434
CKS1726
CN5433
CKS1726
GNDSR
SRIN
SROUT
RMC
SR TX
SR RX
RDS CK
RDS DT
T CLK
T DO
T DI
T CE
MRIN2
MRIN1
12VDET
OSDRST
L 1/7 CN104
K 1/4 CN2507
CN5432
XKP3066-
CN5431
XKP3066-
OSDCS
OSDDT
IP DET
SB MUTE
AMUTE
EXP ST
EXP OE
EXP DT
EXP/OSD CK
GNDU
GNDU
V+5.6U
V+5.6U
C5432 STBY
C5431 STBY
L 1/7 CN101
K 1/4 CN2504



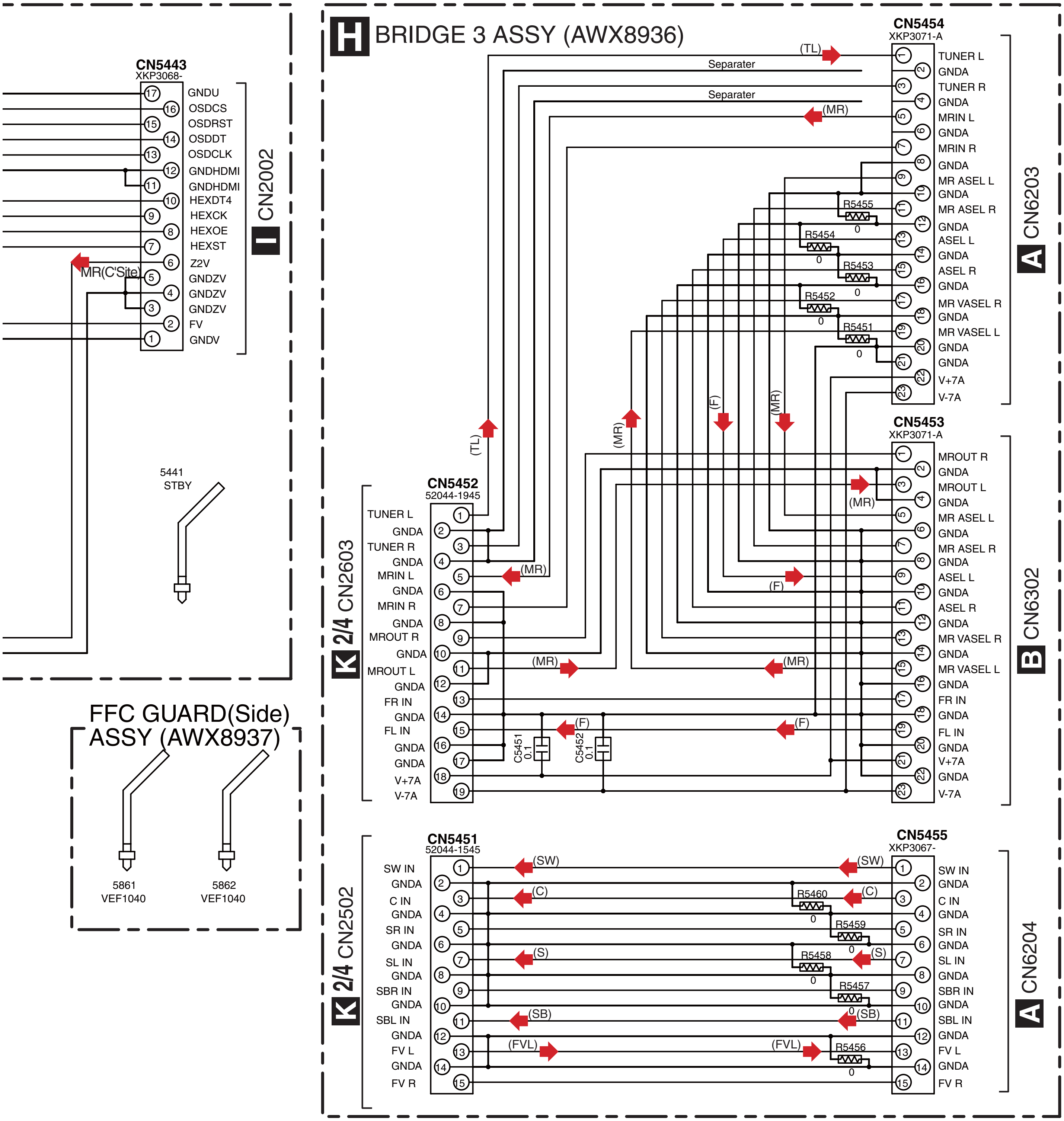
F BRIDGE 2 ASSY (AWX8935)

CN5441
CKS3382-
GNDU
OSDCS
OSDRST
OSDDT
OSDCLK
GNDHDMI
GNDHDMI
HEXDT2
HEXCK
HEXOE
HEXST
FVC
GNDV
FVY
GNDV
FV
GNDV
K 4/4 CN2409
FS(C)
FS(Y)
F(C'Site)
CN5442
XKP3067-
GNDHDMI
GNDHDMI
HEXDT4
HEXDT2
HEXCK
HEXOE
HEXST
FVC
GNDV
FVY
GNDV
GNDV
Z2V
GNDZV
GNDZV
J CN2202
MR(C'Site)



G TRANS SIDE ASSY (AWX8921)

CN4403
CKS3382-
HPSW
WUP
RYAC
V+5.6ST
GNDST
GNDST
RYB
RYCS
RYHP
RYA
+12V
-12V
LOCK DET
-FAN
-FAN
+FAN
+FAN
P CN5705
C4404 STBY
C4405 STBY
C4406 STBY
C4407 STBY
C4403 STBY
C4402 STBY
C4401 STBY
4401
51048-0400
HPSW
HPR
HPG
HPL
(F)
D CN3551
CN4402
KM200NA13L
HPL
HPG
HPR
V-12V
V+12V
RYA
RYHP
RYCS
RYB
GNDST
V+5.6ST
RYAC
WUP
X J4009
L4401 R4401
L4402 R4402
L4403 R4403
L4404 R4404
L4405 R4405
L4406 R4406
L4407 R4407
L4408 R4408
L4409 R4409
L4410 R4410
L4411 R4411
L4412 R4412
L4413 R4413
L4401-L4413:VTL1083
R4401-R4413:STBY

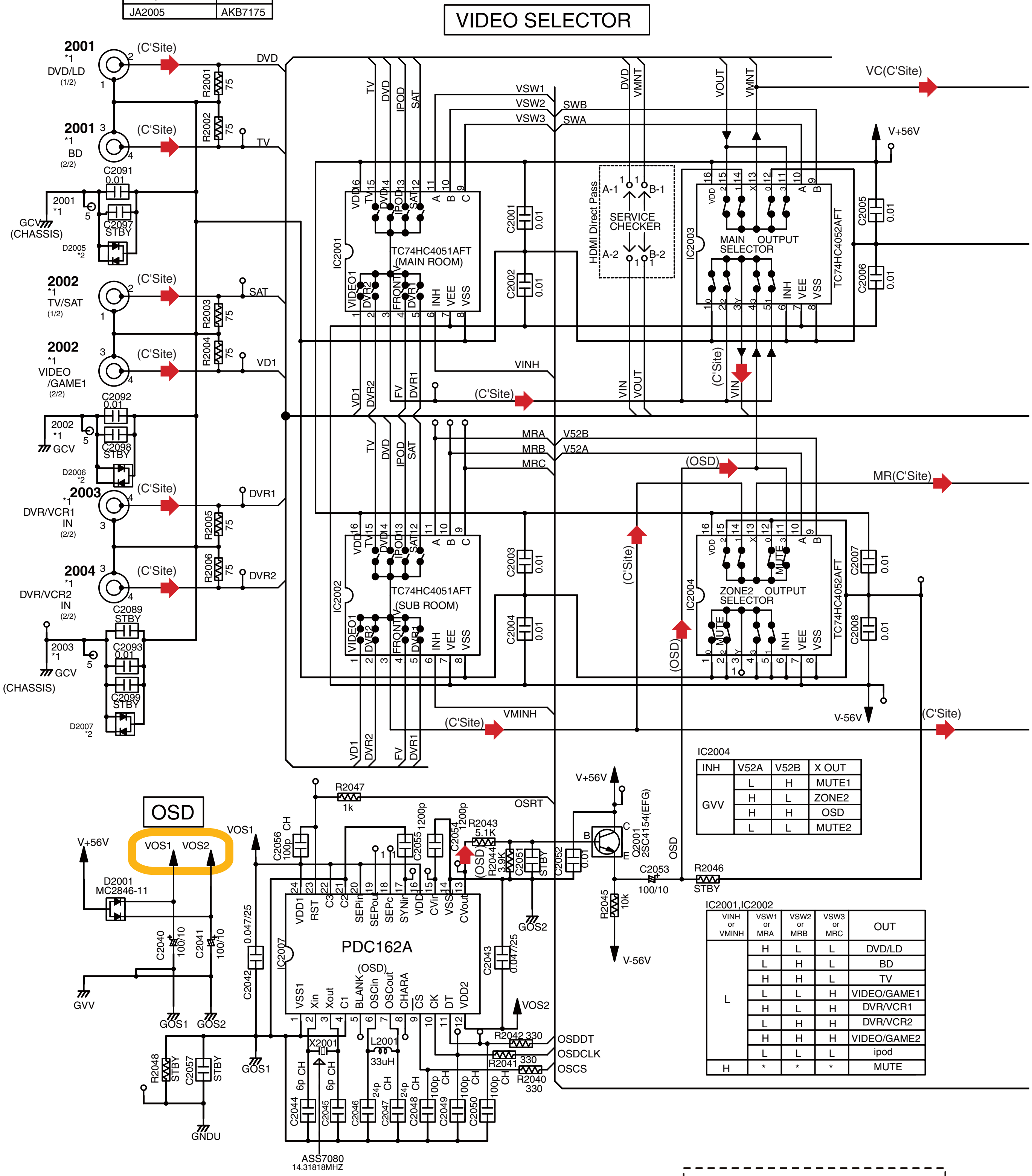

H BRIDGE 3 ASSY (AWX8936)
FFC GUARD(Side) ASSY (AWX8937)
CN5443
XKP3068-
GNDU
OSDCS
OSDRST
OSDDT
OSDCLK
GNDHDMI
GNDHDMI
HEXDT4
HEXCK
HEXOE
HEXST
Z2V
GNDZV
GNDZV
GNDZV
FV
GNDV
MR(C'Site)
I CN2002
5441
STBY
5861
VEF1040
5862
VEF1040
CN5454
XKP3071-A
TUNER L
GNDA
TUNER R
GNDA
MRIN L
GNDA
MRIN R
GNDA
MR ASEL L
GNDA
MR ASEL R
GNDA
ASEL L
GNDA
ASEL R
GNDA
MR VASEL R
GNDA
MR VASEL L
GNDA
GNDA
V+7A
V-7A
A CN6203
Separater
Separater
(TL)
(MR)
(F)
R5455
0
R5454
0
R5453
0
R5452
0
R5451
0
CN5453
XKP3071-A
MROUT R
GNDA
MROUT L
GNDA
MR ASEL L
GNDA
MR ASEL R
GNDA
ASEL L
GNDA
ASEL R
GNDA
MR VASEL R
GNDA
MR VASEL L
GNDA
FR IN
GNDA
FL IN
GNDA
V+7A
GNDA
V-7A
B CN6302
CN5452
52044-1945
TUNER L
GNDA
TUNER R
GNDA
MRIN L
GNDA
MRIN R
GNDA
MROUT R
GNDA
MROUT L
GNDA
FR IN
GNDA
FL IN
GNDA
GNDA
V+7A
V-7A
K 2/4 CN2603
C5451
0.1
C5452
0.1
CN5451
52044-1545
SW IN
GNDA
C IN
GNDA
SR IN
GNDA
SL IN
GNDA
SBR IN
GNDA
SBL IN
GNDA
FV L
GNDA
FV R
K 2/4 CN2502
(SW)
(C)
(S)
(SB)
(FVL)
R5460
0
R5459
0
R5458
0
R5457
0
R5456
0
CN5455
XKP3067-
SW IN
GNDA
C IN
GNDA
SR IN
GNDA
SL IN
GNDA
SBR IN
GNDA
SBL IN
GNDA
FV L
GNDA
FV R
A CN6204

MR(C'Site) ➡ : VIDEO SIGNAL ROUTE MR(C'Site)
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)

(F) ➡ : AUDIO SIGNAL ROUTE(F)
(C) ➡ : AUDIO SIGNAL ROUTE(C)
(S) ➡ : AUDIO SIGNAL ROUTE(S)
(SB) ➡ : AUDIO SIGNAL ROUTE(SB)
(SW) ➡ : AUDIO SIGNAL ROUTE(SW)
(TL) ➡ : AUDIO SIGNAL ROUTE(TUNER)
(FVL) ➡ : AUDIO SIGNAL ROUTE(VIDEO2)
(MR) ➡ : AUDIO SIGNAL ROUTE(MR)

10.5 COMPOSITE V ASSY

*1	AWX8884
2001,2002 2003,2004	AKB7176
JA2005	AKB7175


VIDEO SELECTOR
2001 *1 DVD/LD (1/2)
2001 *1 BD (2/2)
2002 *1 TV/SAT (1/2)
2002 *1 VIDEO /GAME1 (2/2)
2003 *1 DVR/VCR1 IN (2/2)
2004 *1 DVR/VCR2 IN (2/2)
(C'Site)
R2001 75
R2002 75
R2003 75
R2004 75
R2005 75
R2006 75
DVD
TV
SAT
VD1
DVR1
DVR2
C2091 0.01
C2097 STBY
C2092 0.01
C2098 STBY
C2089 STBY
C2093 0.01
C2099 STBY
D2005 *2
D2006 *2
D2007 *2
GCV (CHASSIS)
GCV
IC2001 TC74HC4051AFT (MAIN ROOM)
IC2002 TC74HC4051AFT (SUB ROOM)
VDD TV DVD IPOD SAT A B C
VIDEO1 DVR2 FRONT DVR1 INH VEE VSS
VSW1 VSW2 VSW3
SWB SWA
MRA MRB MRC
V52B V52A
VINH
VMINH
C2001 0.01
C2002 0.01
C2003 0.01
C2004 0.01
HDMI Direct Pass
SERVICE CHECKER
A-1 B-1 A-2 B-2
DVD VMNT VOUT VMNT VIN VOUT
IC2003 TC74HC4052AFT MAIN OUTPUT SELECTOR
IC2004 TC74HC4052AFT ZONE2 OUTPUT SELECTOR
MUTE
C2005 0.01
C2006 0.01
C2007 0.01
C2008 0.01
VC(C'Site)
MR(C'Site)
(OSD)
V+56V
V-56V
VD1 DVR2 FV DVR1
OSD
VOS1 VOS2
VOS1
V+56V
D2001 MC2846-11
C2040 100/10
C2041 100/10
GVV
GOS1 GOS2
C2042 0.047/25
R2047 1k
OSRT
C2056 100p CH
C2055 1200p
C2054 1200p
R2043 5.1K
R2044 3.9K
C2051 STBY
C2052 0.01
IC2007 PDC162A (OSD)
VDD1 RST C3 C2 SEPin SEPout SEPc SYNin VDD CVin VSS CVout
VSS1 Xin Xout C1 BLANK OSCin OSCout CHARA CS CK DT VDD2
GOS2
C2043 0.047/25
VOS2
R2042 330
R2041 330
R2040 330
OSDDT
OSDCLK
OSCS
X2001 ASS7080 14.31818MHZ
L2001 33uH
C2044 6p CH
C2045 6p CH
C2046 24p
C2047 24p CH
C2048 100p CH
C2049 100p CH
C2050 100p CH
R2048 STBY
C2057 STBY
GOS1
GNDU
Q2001 2SC1454(EFG)
B C E
C2053 100/10
R2045 10k
R2046 STBY
V+56V
V-56V

IC2004

INH	V52A	V52B	X OUT
GVV	L	H	MUTE1
	H	L	ZONE2
	H	H	OSD
	L	L	MUTE2

IC2001,IC2002

VINH or VMINH	VSW1 or MRA	VSW2 or MRB	VSW3 or MRC	OUT
L	H	L	L	DVD/LD
	L	H	L	BD
	H	H	L	TV
	L	L	H	VIDEO/GAME1
	H	L	H	DVR/VCR1
	L	H	H	DVR/VCR2
	H	H	H	VIDEO/GAME2
	L	L	L	ipod
H	*	*	*	MUTE

NOTES

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as “Capacity(μF)/Voltage(V)”, or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.

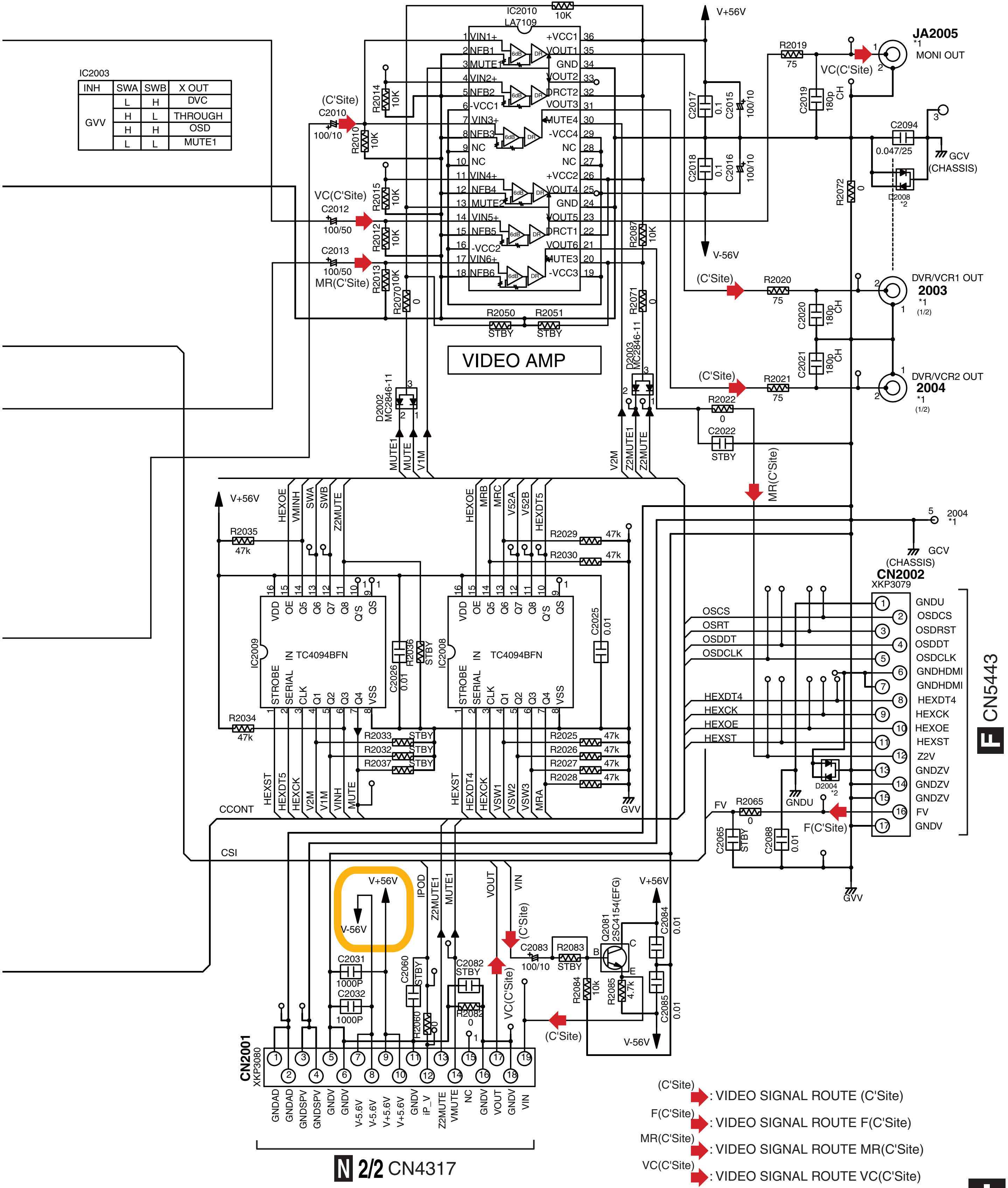
*Parts or parts block marked by "STBY" are standby.

I COMPOSITE V ASSY (AWX8884)

*2	AWX8884
D2004-D2008	STBY

IC2003

INH	SWA	SWB	X OUT
GVV	L	H	DVC
	H	L	THROUGH
	H	H	OSD
	L	L	MUTE1


IC2010
LA7109
R2086 10K
VIN1+ +VCC1
NFB1 VOUT1
MUTE1 GND
VIN2+ VOUT2
NFB2 DRCT2
-VCC1 VOUT3
VIN3+ MUTE4
NFB3 -VCC4
NC NC
VIN4+ +VCC2
NFB4 VOUT4
MUTE2 GND
VIN5+ VOUT5
NFB5 DRCT1
-VCC2 VOUT6
VIN6+ MUTE3
NFB6 -VCC3
6dB DR
VIDEO AMP
R2050 STBY
R2051 STBY
R2014 10K
R2010 10K
R2015 10K
R2012 10K
R2013 10K
R2070 0
R2087 10K
R2071 0
(C'Site) C2010 100/10
VC(C'Site) C2012 100/50
C2013 100/50 MR(C'Site)
D2002 MC2846-11
D2003 MC2846-11
MUTE1 MUTE V1M
V2M Z2MUTE1 Z2MUTE
V+56V V-56V
C2017 0.1 C2015 100/10
C2018 0.1 C2016 100/10
R2019 75
C2019 180p CH
VC(C'Site)
JA2005 *1 MONI OUT
C2094 0.047/25
GCV (CHASSIS)
R2072 0
D2008 *2
(C'Site) R2020 75
C2020 180p CH
DVR/VCR1 OUT 2003 *1 (1/2)
(C'Site) R2021 75
C2021 180p CH
DVR/VCR2 OUT 2004 *1 (1/2)
R2022 0
C2022 STBY
MR(C'Site)
2004 *1
GCV (CHASSIS)
CN2002 XKP3079
GNDU OSDCS OSDRST OSDDT OSDCLK GNDHDMI GNDHDMI HEXDT4 HEXCK HEXOE HEXST Z2V GNDZV GNDZV GNDZV FV GNDV
OSCS OSRT OSDDT OSDCLK HEXDT4 HEXCK HEXOE HEXST
F CN5443
D2004 *2
GNDU
FV R2065 0
C2065 STBY
C2088 0.01
F(C'Site)
GVV
V+56V
R2035 47k
HEXOE VMINH SWA SWB Z2MUTE
HEXOE MRB MRC V52A V52B HEXDT5
R2029 47k
R2030 47k
IC2009 TC4094BFN
VDD OE Q5 Q6 Q7 Q8 Q'S QS
STROBE SERIAL CLK Q1 Q2 Q3 Q4 VSS
IN
C2026 0.01
R2036 STBY
IC2008 TC4094BFN
C2025 0.01
R2034 47k
R2033 STBY
R2032 STBY
R2037 STBY
R2025 47k
R2026 47k
R2027 47k
R2028 47k
HEXST HEXDT5 HEXCK V2M V1M VINH MUTE
HEXST HEXDT4 HEXCK VSW1 VSW2 VSW3 MRA
GVV
CCONT
CSI
V+56V
V-56V
IPOD Z2MUTE1 MUTE1 VOUT VIN
C2031 1000P
C2032 1000P
C2060 STBY
R2060 0
C2082 STBY
R2082 0
VC(C'Site)
(C'Site)
C2083 100/10
R2083 STBY
Q2081 2SC4154(EFG)
B C E
R2084 10k
R2085 4.7k
C2084 0.01
C2085 0.01
V+56V
V-56V
(C'Site)
CN2001 XKP3080
GNDAD GNDAD GNDSPV GNDSPV GNDV GNDV V-5.6V V-5.6V V+5.6V V+5.6V GNDV iP_V Z2MUTE VMUTE NC GNDV VOUT GNDV VIN
N 2/2 CN4317

(C'Site) : VIDEO SIGNAL ROUTE (C'Site)

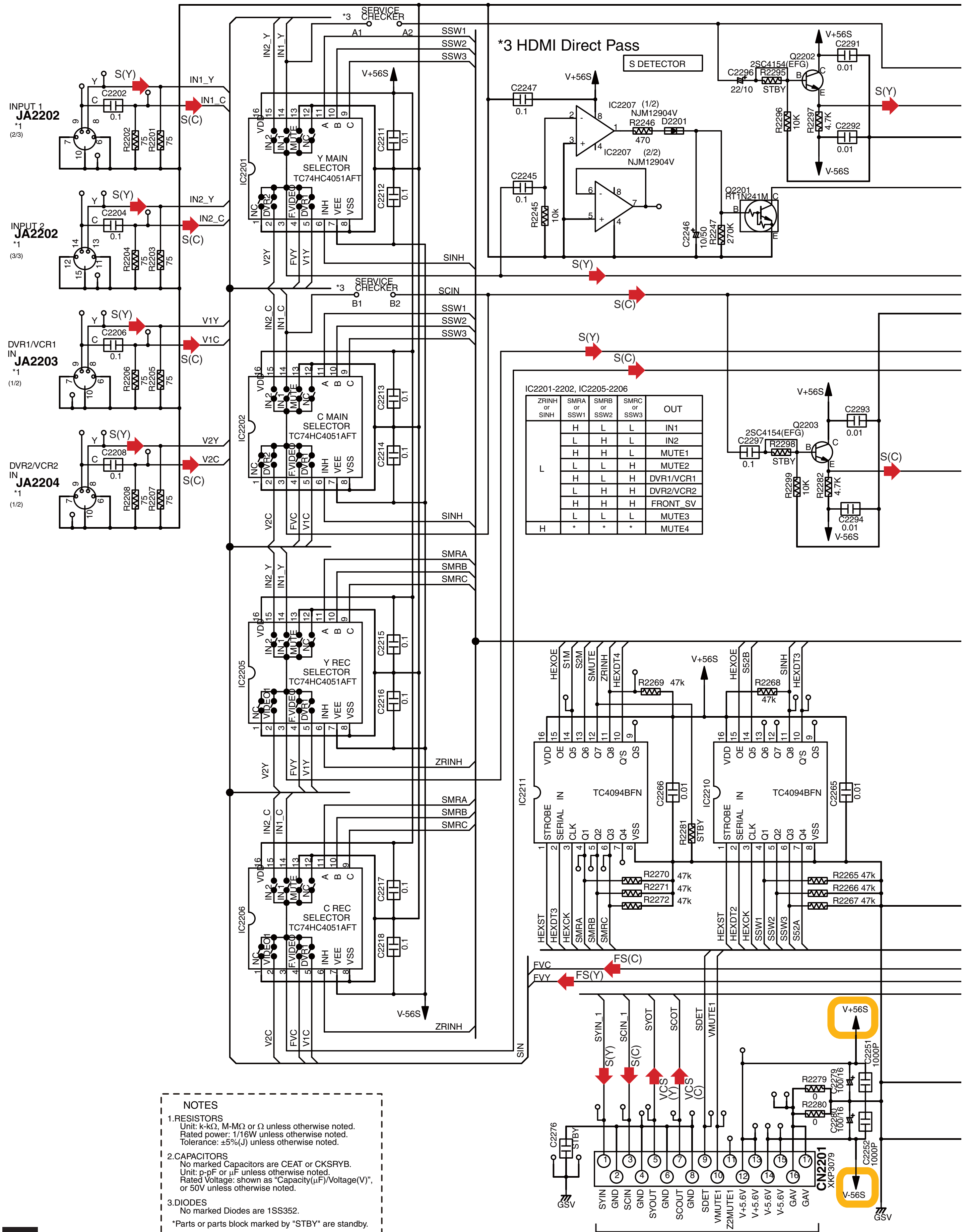
F(C'Site) : VIDEO SIGNAL ROUTE F(C'Site)

MR(C'Site) : VIDEO SIGNAL ROUTE MR(C'Site)

VC(C'Site) : VIDEO SIGNAL ROUTE VC(C'Site)

(OSD) : VIDEO SIGNAL ROUTE (OSD)

10.6 S-VIDEO ASSY


A
B
C
D
E
F
*3 SERVICE CHECKER
A1
A2
SSW1
SSW2
SSW3
IN2_Y
IN1_Y
V+56S
*3 HDMI Direct Pass
S DETECTOR
V+56S
C2247
0.1
IC2207 (1/2)
NJM12904V
R2246
470
D2201
IC2207 (2/2)
NJM12904V
C2245
0.1
R2245
10k
C2246
10/50
R2247
270K
Q2201
RT1N241M
2SC4154(EFG)
Q2202
C2296
22/10
R2295
STBY
C2291
0.01
R2296
10K
R2297
4.7K
C2292
0.01
V-56S
S(Y)
S(C)
INPUT 1
JA2202
*1
(2/3)
C2202
0.1
R2202
75
R2201
75
IN1_Y
IN1_C
INPUT 2
JA2202
*1
(3/3)
C2204
0.1
R2204
75
R2203
75
IN2_Y
IN2_C
DVR1/VCR1 IN
JA2203
*1
(1/2)
C2206
0.1
R2206
75
R2205
75
V1Y
V1C
DVR2/VCR2 IN
JA2204
*1
(1/2)
C2208
0.1
R2208
75
R2207
75
V2Y
V2C
IC2201
Y MAIN SELECTOR
TC74HC4051AFT
C2211
0.1
C2212
0.1
VDD IN2 IN1 MUTE NC A B C
NC DVR2 F.VIDEO DVR1 INH VEE VSS
V2Y FVY V1Y
SINH
*3 SERVICE CHECKER
B1
B2
SCIN
IN2_C
IN1_C
IC2202
C MAIN SELECTOR
TC74HC4051AFT
C2213
0.1
C2214
0.1
V2C FVC V1C
SINH
IC2201-2202, IC2205-2206
V+56S
C2293
0.01
2SC4154(EFG)
Q2203
C2297
0.1
R2298
STBY
R2299
10K
R2282
4.7K
C2294
0.01
V-56S
SMRA
SMRB
SMRC
IC2205
Y REC SELECTOR
TC74HC4051AFT
C2215
0.1
C2216
0.1
ZRINH
IC2206
C REC SELECTOR
TC74HC4051AFT
C2217
0.1
C2218
0.1
V-56S
ZRINH
SIN
HEXOE
S1M
S2M
SMUTE
ZRINH
HEXDT4
R2269 47k
V+56S
HEXOE
S52B
R2268
47k
SINH
HEXDT3
IC2211
TC4094BFN
VDD OE Q5 Q6 Q7 Q8 Q'S QS
STROBE SERIAL IN CLK Q1 Q2 Q3 Q4 VSS
C2266
0.01
R2281
STBY
IC2210
TC4094BFN
C2265
0.01
R2270 47k
R2271 47k
R2272 47k
R2265 47k
R2266 47k
R2267 47k
HEXST
HEXDT3
HEXCK
SMRA
SMRB
SMRC
HEXST
HEXDT2
HEXCK
SSW1
SSW2
SSW3
S52A
FVC
FVY
FS(C)
FS(Y)
SYIN_1
SCIN_1
SYOT
SCOT
SDET
VMUTE1
S(Y)
S(C)
VCS (Y)
VCS (C)
V+56S
C2251
1000P
R2279
0
C2279
100/16
R2280
0
C2280
100/16
C2252
1000P
C2276
STBY
GSV
CN2201
XKP3079
V-56S
GSV
SYIN GND SCIN GND SYOUT GND SCOUT GND SDET VMUTE1 Z2MUTE1 V+5.6V V+5.6V V-5.6V V-5.6V GAV GAV
N 2/2 CN4316

IC2201-2202, IC2205-2206

ZRINH or SINH	SMRA or SSW1	SMRB or SSW2	SMRC or SSW3	OUT
L	H	L	L	IN1
	L	H	L	IN2
	H	H	L	MUTE1
	L	L	H	MUTE2
	H	L	H	DVR1/VCR1
	L	H	H	DVR2/VCR2
	H	H	H	FRONT_SV
	L	L	L	MUTE3
H	*	*	*	MUTE4

NOTES

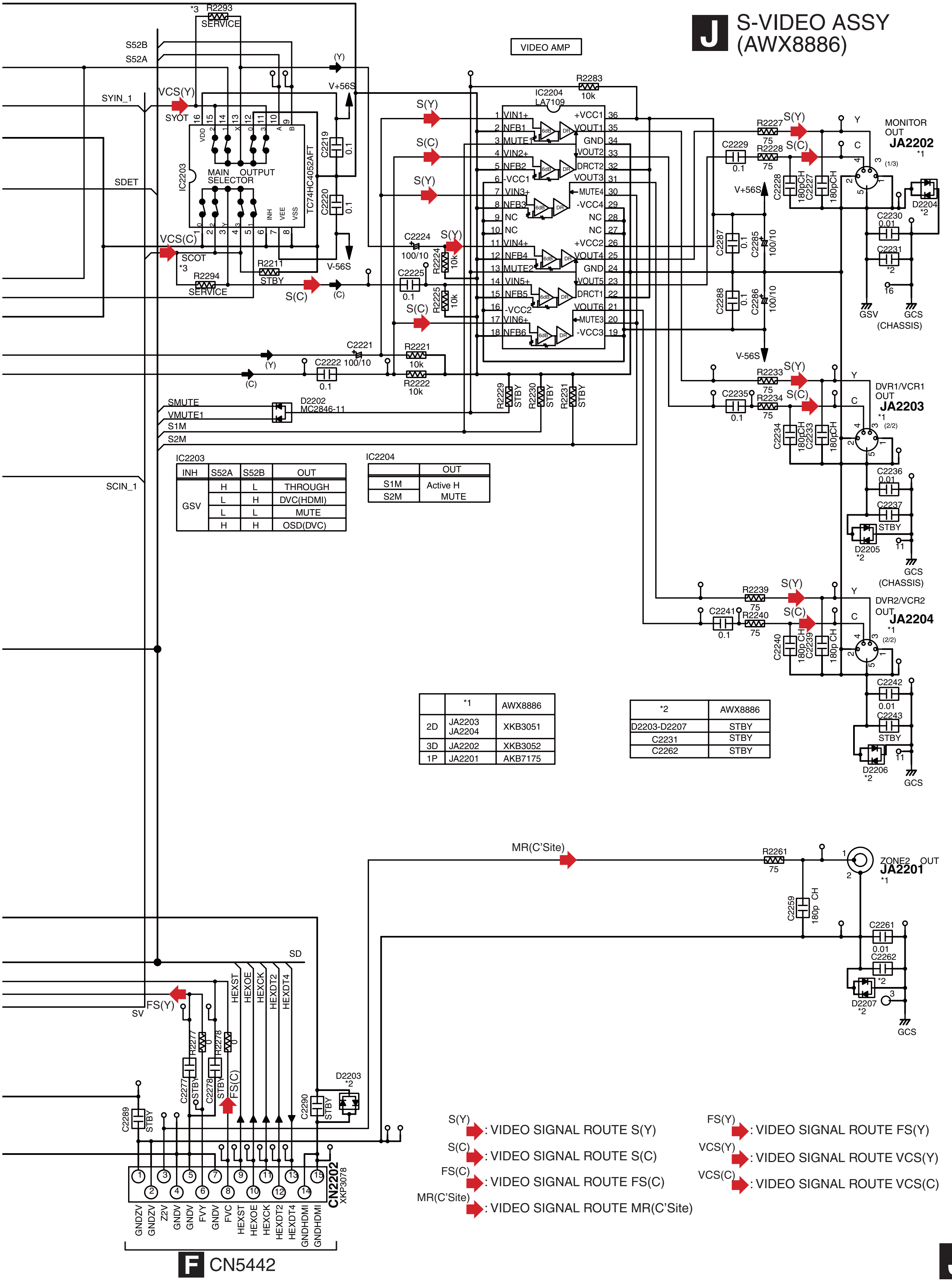
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.

*Parts or parts block marked by "STBY" are standby.

J S-VIDEO ASSY (AWX8886)


*3 R2293 SERVICE
S52B
S52A
SYIN_1
SDET
SCIN_1
VCS(Y)
SYOT
VCS(C)
SCOT
*3 R2294 SERVICE
R2211 STBY
IC2203 TC74HC4052AFT
MAIN OUTPUT SELECTOR
C2219 0.1
C2220 0.1
V+56S
V-56S
(Y)
(C)
S(Y)
S(C)
VIDEO AMP
IC2204 LA7109
R2283 10k
1 VIN1+
2 NFB1
3 MUTE1
4 VIN2+
5 NFB2
6 -VCC1
7 VIN3+
8 NFB3
9 NC
10 NC
11 VIN4+
12 NFB4
13 MUTE2
14 VIN5+
15 NFB5
16 -VCC2
17 VIN6+
18 NFB6
+VCC1 36
VOUT1 35
GND 34
VOUT2 33
DRCT2 32
VOUT3 31
MUTE4 30
-VCC4 29
NC 28
NC 27
+VCC2 26
VOUT4 25
GND 24
VOUT5 23
DRCT1 22
VOUT6 21
MUTE3 20
-VCC3 19
C2224 100/10
R2224 10k
C2225 0.1
R2225 10k
C2221
C2222 100/10 0.1
R2221 10k
R2222 10k
R2229 STBY
R2230 STBY
R2231 STBY
SMUTE
VMUTE1
S1M
S2M
D2202 MC2846-11
C2229 0.1
R2227 75
R2228 75
C2228
C2227 180pCH
180pCH
MONITOR OUT
JA2202 *1 (1/3)
D2204 *2
C2230 0.01
C2231 *2
GSV
GCS
(CHASSIS)
C2287 0.1
C2285 100/10
C2288 0.1
C2286 100/10
R2233 75
R2234 75
C2235 0.1
C2234 180pCH
C2233 180pCH
DVR1/VCR1 OUT
JA2203 *1 (2/2)
C2236 0.01
C2237 STBY
D2205 *2
R2239 75
R2240 75
C2241 0.1
C2240 180pCH
C2239 180pCH
DVR2/VCR2 OUT
JA2204 *1 (2/2)
C2242 0.01
C2243 STBY
D2206 *2
MR(C'Site)
R2261 75
C2259 180p CH
ZONE2 OUT
JA2201 *1
C2261 0.01
C2262 *2
D2207 *2
SD
SV
FS(Y)
FS(C)
R2277 0
R2278 0
C2277 STBY
C2278 STBY
HEXST
HEXOE
HEXCK
HEXDT2
HEXDT4
C2289 STBY
C2290 STBY
D2203 *2
CN2202 XKP3078
GNDZV
GNDZV
ZV
GNDV
GNDV
FVY
GNDV
FVC
HEXST
HEXOE
HEXCK
HEXDT2
HEXDT4
GNDHDMI
GNDHDMI
F CN5442

IC2203

INH	S52A	S52B	OUT
GSV	H	L	THROUGH
	L	H	DVC(HDMI)
	L	L	MUTE
	H	H	OSD(DVC)

IC2204

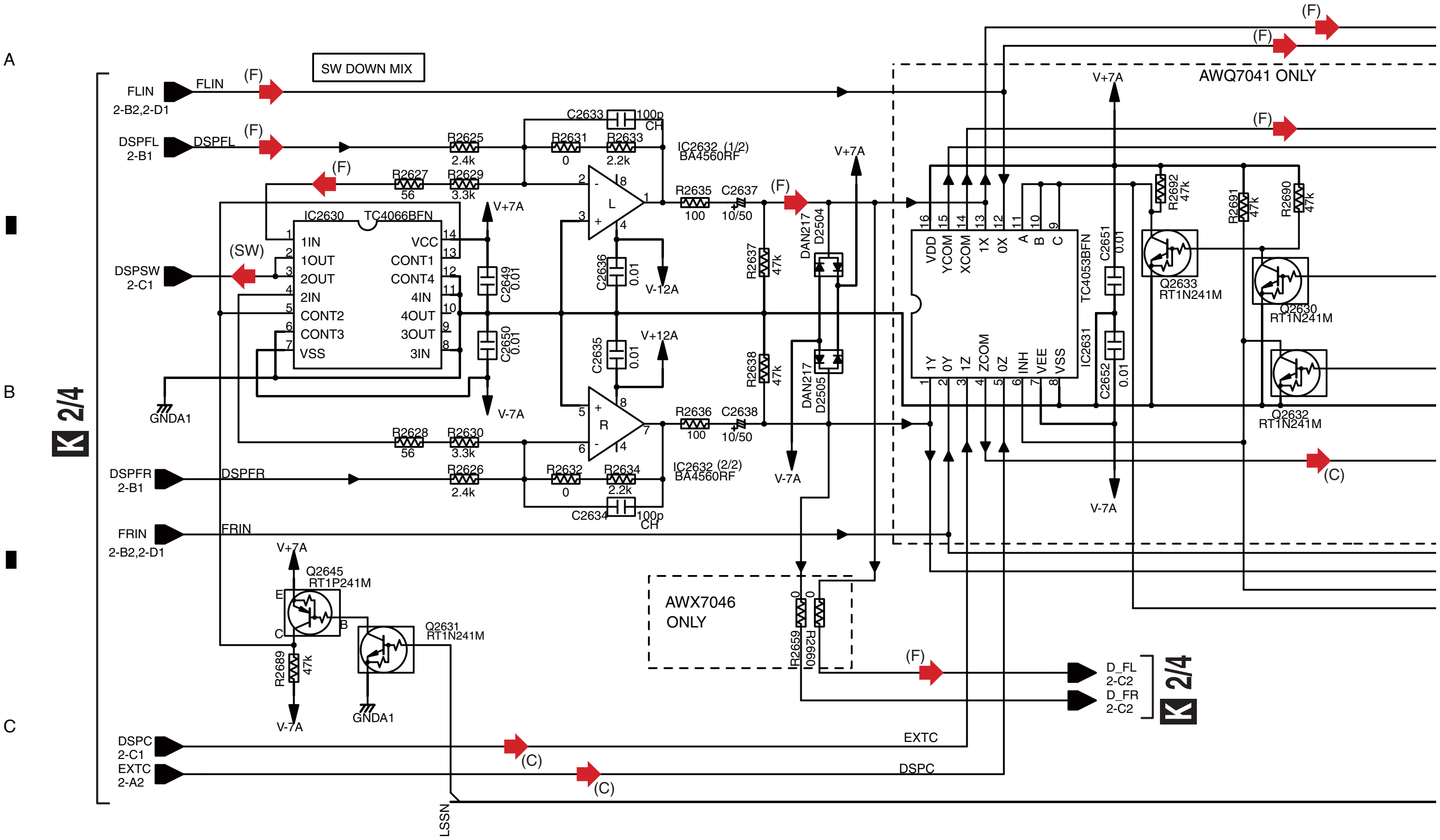
	OUT
S1M	Active H
S2M	MUTE

	*1	AWX8886
2D	JA2203 JA2204	XKB3051
3D	JA2202	XKB3052
1P	JA2201	AKB7175

*2	AWX8886
D2203-D2207	STBY
C2231	STBY
C2262	STBY

S(Y) ➡ : VIDEO SIGNAL ROUTE S(Y)
S(C) ➡ : VIDEO SIGNAL ROUTE S(C)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
MR(C'Site) ➡ : VIDEO SIGNAL ROUTE MR(C'Site)
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)
VCS(Y) ➡ : VIDEO SIGNAL ROUTE VCS(Y)
VCS(C) ➡ : VIDEO SIGNAL ROUTE VCS(C)

10.7 COMPONENT & VOL ASSY (1/4)



SW DOWN MIX
AWQ7041 ONLY
FLIN
2-B2,2-D1
DSPFL
2-B1
DSPSW
2-C1
DSPFR
2-B1
FRIN
2-B2,2-D1
DSPC
2-C1
EXTC
2-A2
(F)
(SW)
(C)
K 2/4
IC2630 TC4066BFN
1IN
1OUT
2OUT
2IN
CONT2
CONT3
VSS
VCC
CONT1
CONT4
4IN
4OUT
3OUT
3IN
C2649 0.01
C2650 0.01
R2625 2.4k
R2627 56
R2629 3.3k
R2631 0
R2633 2.2k
C2633 100p CH
IC2632 (1/2) BA4560RF
IC2632 (2/2) BA4560RF
C2636 0.01
C2635 0.01
V-12A
V+12A
V+7A
V-7A
R2635 100
C2637 10/50
R2636 100
C2638 10/50
R2637 47k
R2638 47k
DAN217 D2504
DAN217 D2505
R2628 56
R2630 3.3k
R2626 2.4k
R2632 0
R2634 2.2k
C2634 100p CH
GNDA1
Q2645 RT1P241M
R2689 47k
Q2631 RT1N241M
AWX7046 ONLY
R2659 0
R2660 0
D_FL 2-C2
D_FR 2-C2
IC2631 TC4053BFN
VDD
YCOM
XCOM
1X
0X
A
B
C
1Y
0Y
1Z
ZCOM
0Z
INH
VEE
VSS
C2651 0.01
C2652 0.01
R2692 47k
R2691 47k
R2690 47k
Q2633 RT1N241M
Q2630 RT1N241M
Q2632 RT1N241M
LSSN

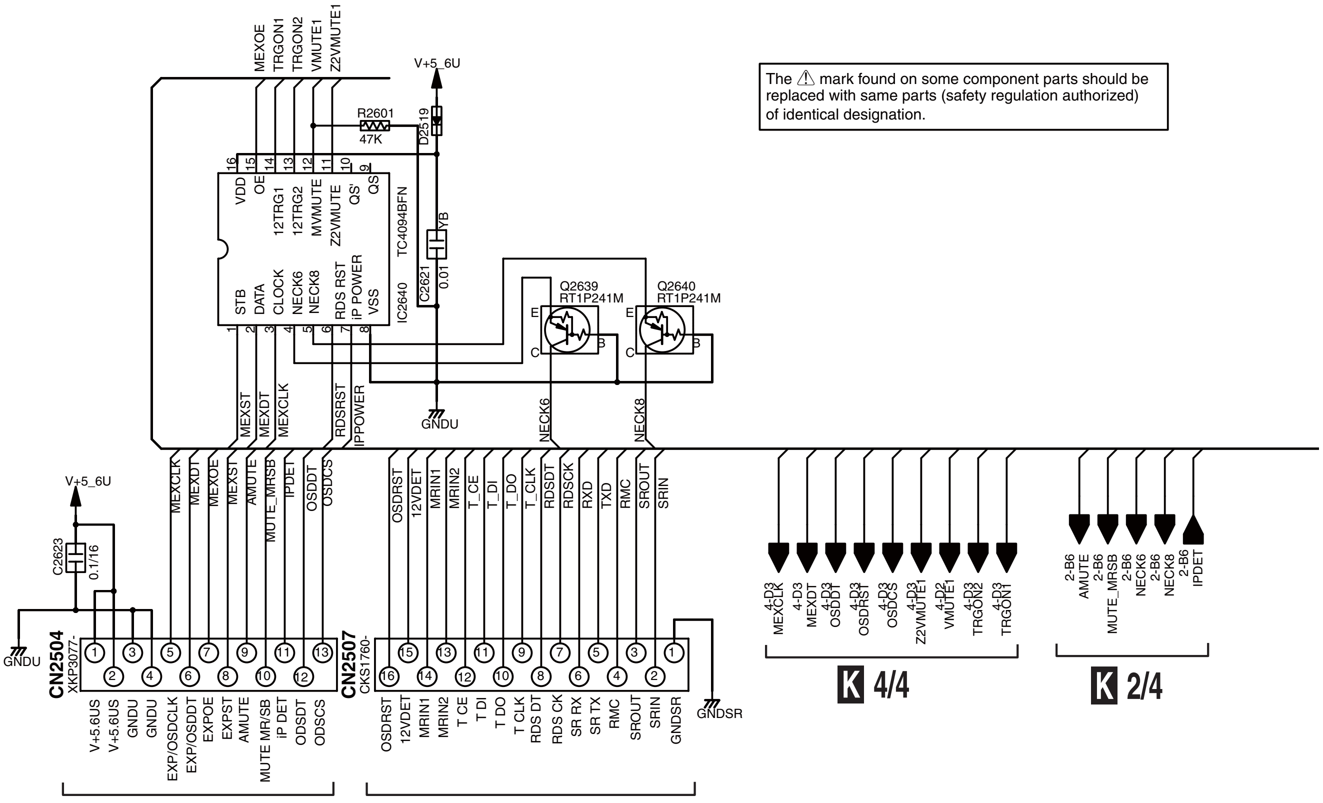
SW DOWN MIX SELECT

XLSSN	L	H
IC2630[CONT]	H	L
SW DOWNMIX	ON	OFF

CENTER DOWN MIX SELECT

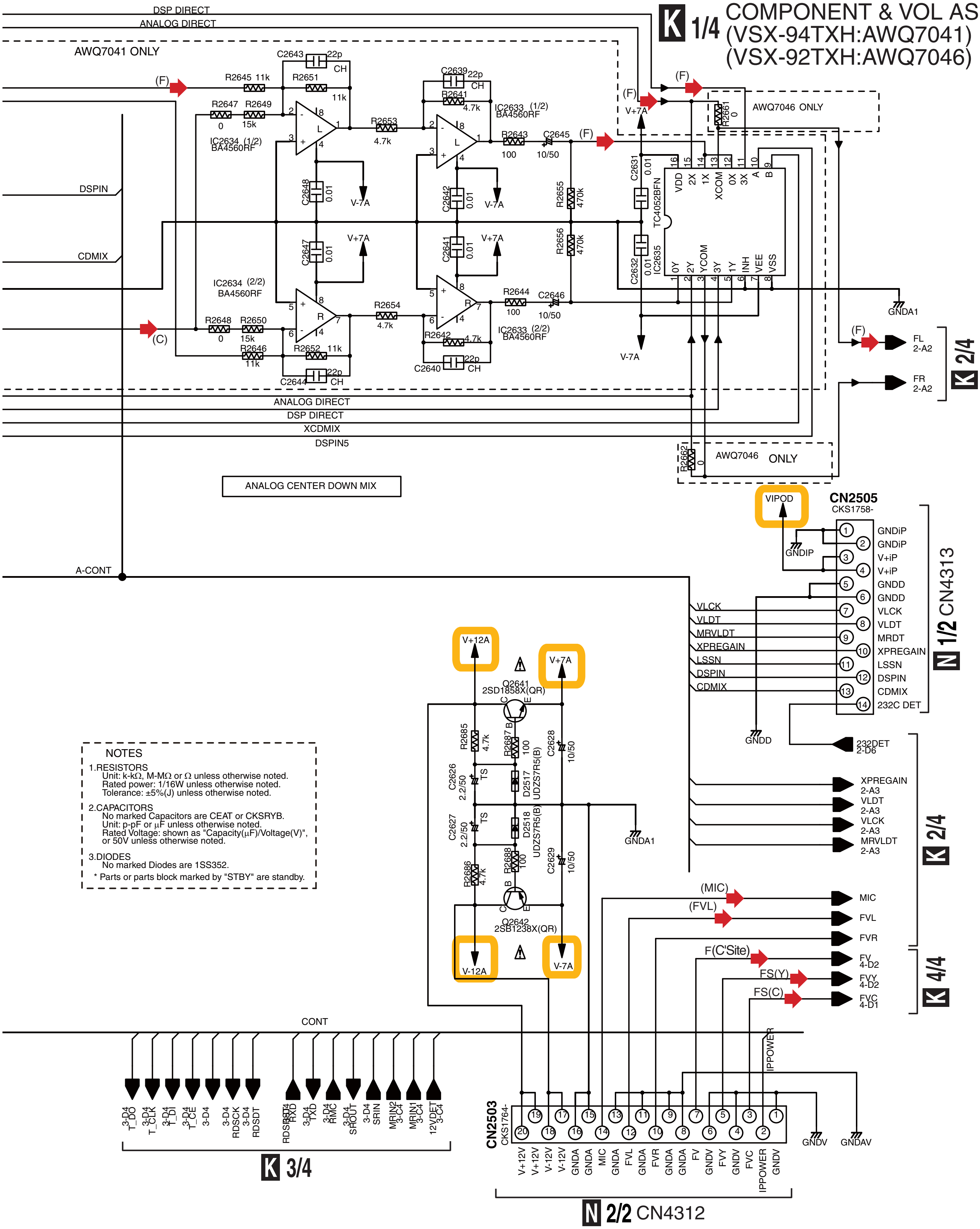
CDMIX	DSPIN	IC2631				IC2635		SELECT
		A	B	C	INH	A	B	
L	H	H	H	H	H	H	H	DSP Direct
L	L	L	L	L	H	L	H	Analog Direct
H	H	H	H	H	L	H	L	DSP Downmix
H	L	L	L	L	L	L	L	Analog Downmix

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.



MEXOE
TRGON1
TRGON2
VMUTE1
Z2VMUTE1
V+5_6U
R2601 47K
D2519
IC2640 TC4094BFN
VDD
OE
12TRG1
12TRG2
MVMUTE
Z2VMUTE
QS'
QS
STB
DATA
CLOCK
NECK6
NECK8
RDS RST
iP POWER
VSS
C2621 0.01
YB
Q2639 RT1P241M
Q2640 RT1P241M
GNDU
MEXST
MEXDT
MEXCLK
RDSRST
IPPOWER
NECK6
NECK8
C2623 0.1/16
CN2504 XKP3077-
V+5.6US
GNDU
EXP/OSDCLK
EXP/OSDDT
EXPOE
EXPST
AMUTE
MUTE MR/SB
iP DET
ODSDT
ODSCS
CN2507 CKS1760-
OSDRST
12VDET
MRIN1
MRIN2
T CE
T DI
T DO
T CLK
RDS DT
RDS CK
SR RX
SR TX
RMC
SROUT
SRIN
GNDSR
4-D3 MEXCLK
4-D3 MEXDT
4-D3 OSDDT
4-D3 OSDRST
4-D3 OSDCS
4-D2 Z2VMUTE1
4-D3 VMUTE1
4-D3 TRGON2
4-D3 TRGON1
K 4/4
2-B6 AMUTE
2-B6 MUTE_MRSB
2-B6 NECK6
2-B6 NECK8
2-B6 IPDET
K 2/4
E CN5431
E CN5433

K 1/4 COMPONENT & VOL ASSY (VSX-94TXH:AWQ7041) (VSX-92TXH:AWQ7046)


DSP DIRECT
ANALOG DIRECT
AWQ7041 ONLY
(F)
R2645 11k
C2643 22p CH
R2651 11k
R2647 0
R2649 15k
IC2634 (1/2) BA4560RF
L
R2653 4.7k
C2648 0.01
V-7A
C2639 22p CH
R2641 4.7k
IC2633 (1/2) BA4560RF
R2643 100
C2645 10/50
C2642 0.01
R2655 470k
R2656 470k
C2631 0.01
C2635
C2632 0.01
V+7A
TC4052BFN
VDD 2X 1X XCOM 0X 3X A B
0Y 2Y YCOM 3Y 1Y INH VEE VSS
R2661 0
AWQ7046 ONLY
DSPIN
CDMIX
C2647 0.01
C2641 0.01
IC2634 (2/2) BA4560RF
R
R2654 4.7k
R2644 100
C2646 10/50
(C)
R2648 0
R2650 15k
R2646 11k
R2652 11k
C2644 22p CH
R2642 4.7k
C2640 22p CH
IC2633 (2/2) BA4560RF
GNDA1
V-7A
FL 2-A2
FR 2-A2
K 2/4
ANALOG DIRECT
DSP DIRECT
XCDMIX
DSPIN5
R2662 0
AWQ7046 ONLY
ANALOG CENTER DOWN MIX
VIPOD
GNDIP
CN2505 CKS1758-
1 GNDiP
2 GNDiP
3 V+iP
4 V+iP
5 GNDD
6 GNDD
7 VLCK
8 VLDT
9 MRDT
10 XPREGAIN
11 LSSN
12 DSPIN
13 CDMIX
14 232C DET
N 1/2 CN4313
A-CONT
VLCK
VLDT
MRVLDT
XPREGAIN
LSSN
DSPIN
CDMIX
GNDD
232DET 2-D6
V+12A
V+7A
Q2641 2SD1858X(QR)
R2685 4.7k
R2687 100
C2628 10/50
C2626 2.2/50 TS
D2517 UDZS7R5(B)
C2627 2.2/50 TS
D2518 UDZS7R5(B)
GNDA1
R2686 4.7k
R2688 100
C2629 10/50
Q2642 2SB1238X(QR)
V-12A
V-7A
XPREGAIN 2-A3
VLDT 2-A3
VLCK 2-A3
MRVLDT 2-A3
K 2/4
(MIC)
(FVL)
MIC
FVL
FVR
F(C'Site)
FS(Y)
FS(C)
FV 4-D2
FVY 4-D2
FVC 4-D1
K 4/4
CONT
IPPOWER
3-D4 T_DO
3-D4 T_CLK
3-D4 T_DI
3-D4 T_CE
3-D4
3-D4 RDSCK
3-D4 RDSDT
RDSRDY 3-D4 RXD
3-D4 TXD
3-D4 RMC
3-D4 SROUT
3-D4 SRIN
MRIN2 3-C4
MRIN1 3-C4
12VDET 3-C4
K 3/4
CN2503 CKS1764-
19 17 15 13 11 9 7 5 3 1
20 18 16 14 12 10 8 6 4 2
V+12V V+12V V-12V V-12V GNDA GNDA MIC GNDA FVL GNDA FVR GNDA GNDA FV GNDV FVY GNDV FVC IPPOWER GNDV
GNDV
GNDAV
N 2/2 CN4312

NOTES

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.
* Parts or parts block marked by "STBY" are standby.

(F) ➡ : AUDIO SIGNAL ROUTE(F)

(C) ➡ : AUDIO SIGNAL ROUTE(C)

(SW) ➡ : AUDIO SIGNAL ROUTE(SW)

(MIC) ➡ : AUDIO SIGNAL ROUTE(MIC)

(FVL) ➡ : AUDIO SIGNAL ROUTE(VIDEO2)

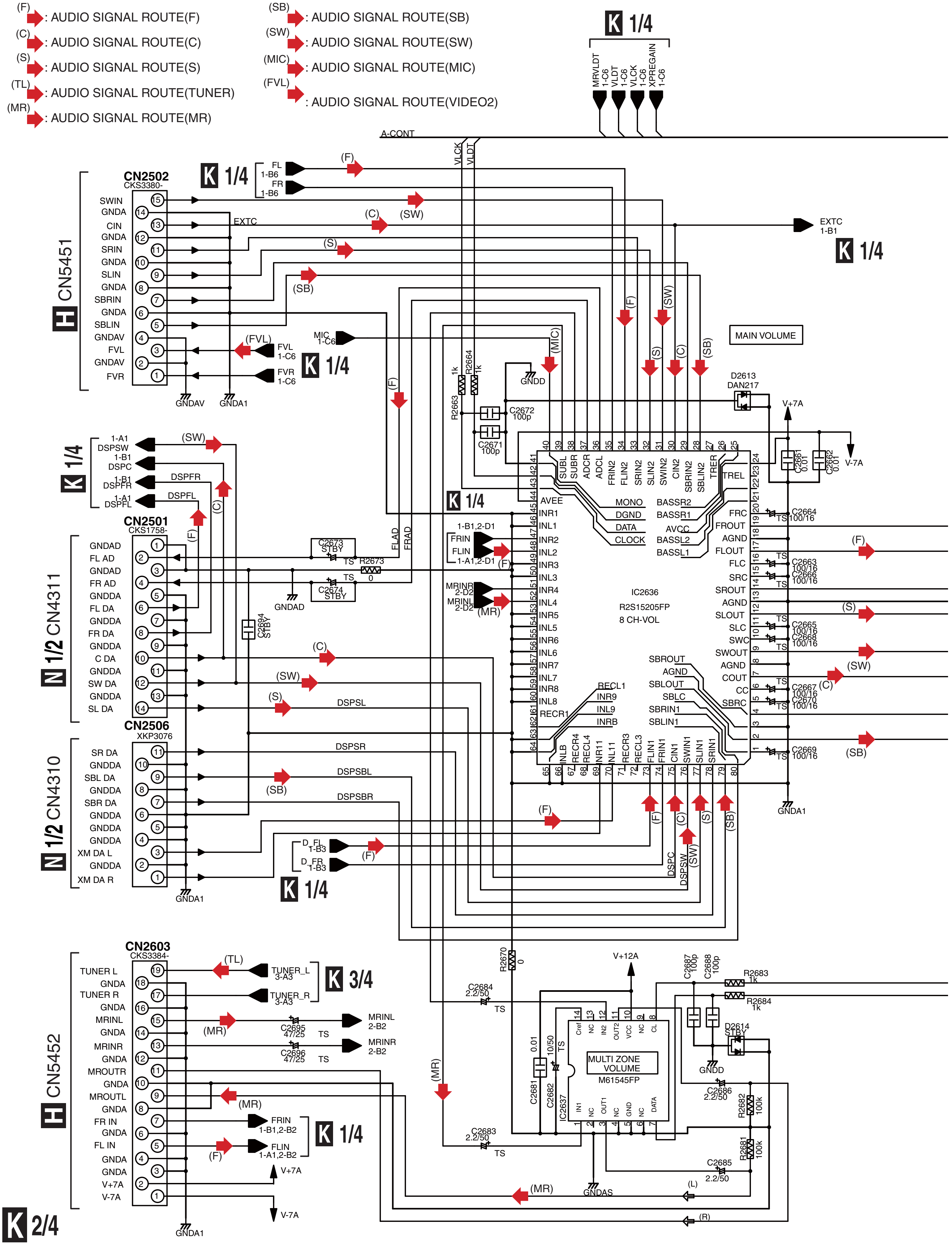
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)

FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)

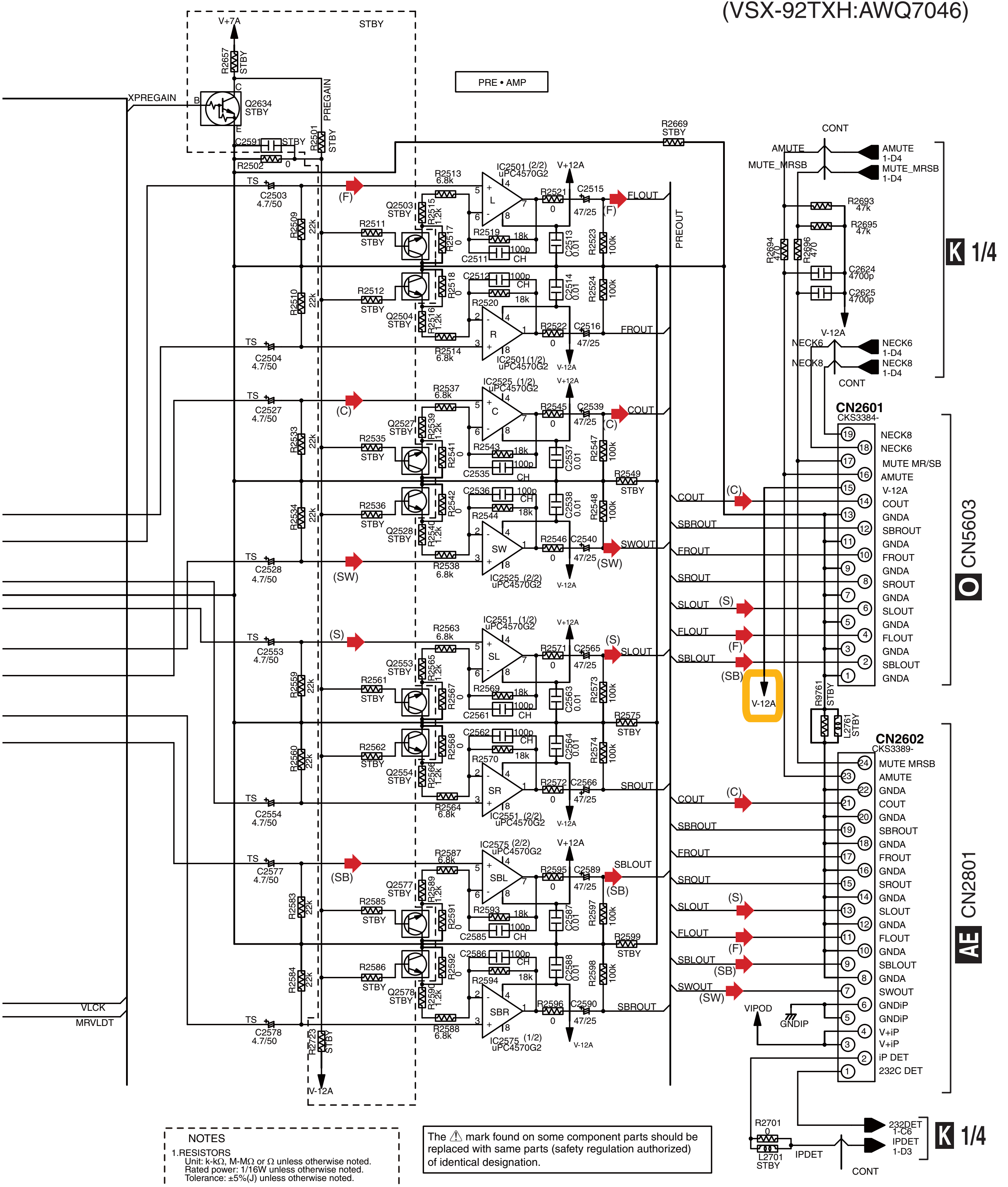
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)

K 1/4

10.8 COMPONENT & VOL ASSY (2/4)


(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(S) : AUDIO SIGNAL ROUTE(S)
(TL) : AUDIO SIGNAL ROUTE(TUNER)
(MR) : AUDIO SIGNAL ROUTE(MR)
(SB) : AUDIO SIGNAL ROUTE(SB)
(SW) : AUDIO SIGNAL ROUTE(SW)
(MIC) : AUDIO SIGNAL ROUTE(MIC)
(FVL) : AUDIO SIGNAL ROUTE(VIDEO2)
K 1/4
MRVLDT 1-C6
VLDT 1-C6
VLCK 1-C6
XPREGAIN 1-C6
A-CONT
VLCK
VLDT
H CN5451
CN2502
CKS3380-
SWIN
GNDA
CIN
SRIN
SLIN
SBRIN
SBLIN
GNDAV
FVL
FVR
GNDAV
GNDA1
FL 1-B6
FR 1-B6
EXTC
EXTC 1-B1
FVL 1-C6
FVR 1-C6
MIC 1-C6
GNDD
1k R2664
1k R2663
C2672 100p
C2671 100p
D2613 DAN217
V+7A
V-7A
C2661 0.01
C2662 0.01
MAIN VOLUME
1-A1 DSPSW
1-B1 DSPC
1-B1 DSPFR
1-A1 DSPFL
DSPFR
DSPFL
N 1/2 CN4311
CN2501
CKS1758-
GNDAD
FL AD
FR AD
GNDDA
FL DA
FR DA
C DA
SW DA
SL DA
C2673 STBY
TS
R2673 0
C2674 STBY
GNDAD
C2694 STBY
FLAD
FRAD
1-B1,2-D1
FRIN
FLIN
1-A1,2-D1
MRINR 2-D2
MRINL 2-D2
IC2636
R2S15205FP
8 CH-VOL
AVEE
INR1 INL1 INR2 INL2 INR3 INL3 INR4 INL4 INR5 INL5 INR6 INL6 INR7 INL7 INR8 INL8
RECR1
RECL1
INR9
INL9
INRB
INLB
SUBL SUBR ADCR ADCL FRIN2 FLIN2 SRIN2 SLIN2 SWIN2 CIN2 SBRIN2 SBLIN2 TRER TREL
MONO DGND DATA CLOCK
BASSR2 BASSR1 AVCC BASSL2 BASSL1
FRC FROUT AGND FLOUT FLC SRC SROUT AGND SLOUT SLC SWC SWOUT AGND COUT CC SBRC
SBROUT AGND SBLOUT SBLC SBRIN1 SBLIN1
RECR4 RECL4 INR11 INL11 RECR3 RECL3 FLIN1 FRIN1 CIN1 SWIN1 SLIN1 SRIN1
C2664 100/16
C2663 100/16
C2666 100/16
C2665 100/16
C2668 100/16
C2667 100/16
C2670 100/16
C2669 100/16
GNDA1
N 1/2 CN4310
CN2506
XKP3076
SR DA
SBL DA
SBR DA
XM DA L
XM DA R
DSPSL
DSPSR
DSPSBL
DSPSBR
D_FL 1-B3
D_FR 1-B3
DSPC
DSPSW
H CN5452
CN2603
CKS3384-
TUNER L
TUNER R
MRINL
MRINR
MROUTR
MROUTL
FR IN
FL IN
V+7A
V-7A
TUNER_L 3-A3
TUNER_R 3-A3
K 3/4
MRINL 2-B2
MRINR 2-B2
C2695 47/25
C2696 47/25
FRIN 1-B1,2-B2
FLIN 1-A1,2-B2
R2670 0
C2684 2.2/50
C2683 2.2/50
V+12A
C2687 100p
C2688 100p
R2683 1k
R2684 1k
D2614 STBY
IC2637
MULTI ZONE VOLUME
M61545FP
Cref NC IN2 OUT2 VCC NC CL
IN1 NC OUT1 NC GND NC DATA
C2681 0.01
C2682 10/50
C2686 2.2/50
C2685 2.2/50
R2682 100k
R2681 100k
GNDAS
(L)
(R)
K 2/4

K 2/4 COMPONENT & VOL ASSY (VSX-94TXH:AWQ7041) (VSX-92TXH:AWQ7046)



V+7A
STBY
R2657 STBY
XPREGAIN
Q2634 STBY
PREGAIN
C2591 STBY
R2501 STBY
R2502 0
PRE • AMP
R2669 STBY
IC2501 (2/2) uPC4570G2
V+12A
R2513 6.8k
C2503 4.7/50
(F)
Q2503 STBY
R2509 22k
R2511 STBY
R2515 1.2k
R2517 0
R2519 18k
C2511 100p CH
R2521 0
C2515 47/25
FLOUT
C2513 0.01
R2523 100k
PREOUT
R2510 22k
R2512 STBY
Q2504 STBY
R2516 1.2k
R2518 0
C2512 100p CH
R2520 18k
C2514 0.01
R2524 100k
R2522 0
C2516 47/25
FROUT
C2504 4.7/50
R2514 6.8k
IC2501 (1/2) uPC4570G2
V-12A
TS
IC2525 (1/2) uPC4570G2
R2537 6.8k
C2527 4.7/50
(C)
Q2527 STBY
R2533 22k
R2535 STBY
R2539 1.2k
R2541 0
R2543 18k
C2535 100p CH
R2545 0
C2539 47/25
COUT
C2537 0.01
R2547 100k
R2549 STBY
R2534 22k
R2536 STBY
Q2528 STBY
R2540 1.2k
R2542 0
C2536 100p CH
R2544 18k
C2538 0.01
R2548 100k
R2546 0
C2540 47/25
SWOUT
(SW)
C2528 4.7/50
R2538 6.8k
IC2525 (2/2) uPC4570G2
IC2551 (1/2) uPC4570G2
R2563 6.8k
C2553 4.7/50
(S)
Q2553 STBY
R2559 22k
R2561 STBY
R2565 1.2k
R2567 0
R2569 18k
C2561 100p CH
R2571 0
C2565 47/25
SLOUT
C2563 0.01
R2573 100k
R2575 STBY
R2560 22k
R2562 STBY
Q2554 STBY
R2566 1.2k
R2568 0
C2562 100p CH
R2570 18k
C2564 0.01
R2574 100k
R2572 0
C2566 47/25
SROUT
C2554 4.7/50
R2564 6.8k
IC2551 (2/2) uPC4570G2
IC2575 (2/2) uPC4570G2
R2587 6.8k
C2577 4.7/50
(SB)
Q2577 STBY
R2583 22k
R2585 STBY
R2589 1.2k
R2591 0
R2593 18k
C2585 100p CH
R2595 0
C2589 47/25
SBLOUT
C2587 0.01
R2597 100k
R2599 STBY
R2584 22k
R2586 STBY
Q2578 STBY
R2590 1.2k
R2592 0
C2586 100p CH
R2594 18k
C2588 0.01
R2598 100k
R2596 0
C2590 47/25
SBROUT
C2578 4.7/50
R2588 6.8k
IC2575 (1/2) uPC4570G2
R2723 STBY
V-12A
VLCK
MRVLDT
L R C SW SL SR SBL SBR
COUT SBROUT FROUT SROUT SLOUT FLOUT SBLOUT
COUT SBROUT FROUT SROUT SLOUT FLOUT SBLOUT SWOUT
CONT
AMUTE
MUTE_MRSB
AMUTE 1-D4
MUTE_MRSB 1-D4
R2693 47k
R2695 47k
R2694 470
R2696 470
C2624 4700p
C2625 4700p
V-12A
NECK6
NECK8
NECK6 1-D4
NECK8 1-D4
CONT
K 1/4
CN2601 CKS3384-
19 NECK8
18 NECK6
17 MUTE MR/SB
16 AMUTE
15 V-12A
14 COUT
13 GNDA
12 SBROUT
11 GNDA
10 FROUT
9 GNDA
8 SROUT
7 GNDA
6 SLOUT
5 GNDA
4 FLOUT
3 GNDA
2 SBLOUT
1 GNDA
O CN5603
V-12A
R9761 STBY
L2761 STBY
CN2602 CKS3389-
24 MUTE MRSB
23 AMUTE
22 GNDA
21 COUT
20 GNDA
19 SBROUT
18 GNDA
17 FROUT
16 GNDA
15 SROUT
14 GNDA
13 SLOUT
12 GNDA
11 FLOUT
10 GNDA
9 SBLOUT
8 GNDA
7 SWOUT
6 GNDiP
5 GNDiP
4 V+iP
3 V+iP
2 iP DET
1 232C DET
AE CN2801
VIPOD
GNDIP
R2701 0
L2701 STBY
IPDET
232DET 1-C6
IPDET 1-D3
CONT
K 1/4

NOTES

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.

* Parts or parts block marked by "STBY" are standby.

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

10.9 COMPONENT & VOL ASSY (3/4)

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

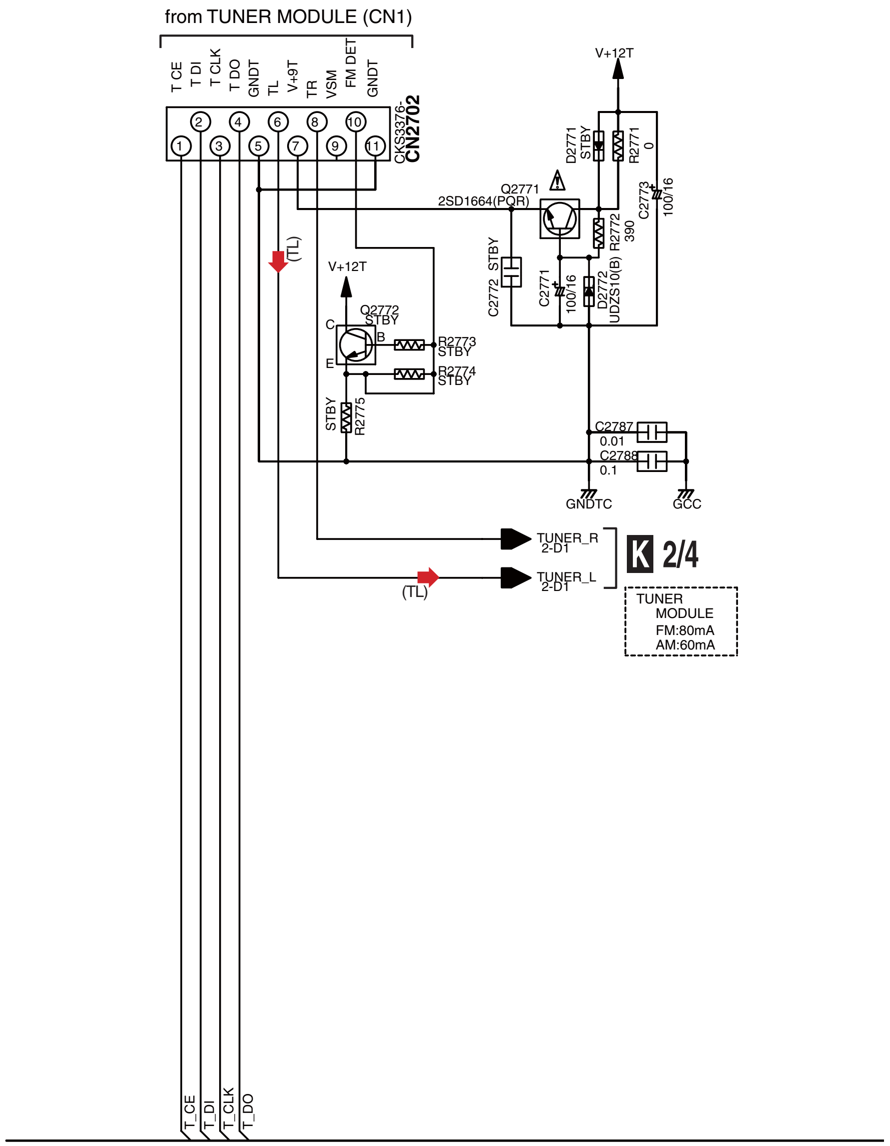
NOTES

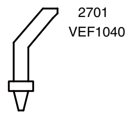
1.RESISTORS
   Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
   Rated power: 1/16W unless otherwise noted.
   Tolerance: ±5%(J) unless otherwise noted.

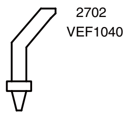
2.CAPACITORS
   No marked Capacitors are CEAT or CKSRYB.
   Unit: p-pF or μF unless otherwise noted.
   Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
   No marked Diodes are 1SS352.

* Parts or parts block marked by "STBY" are standby.

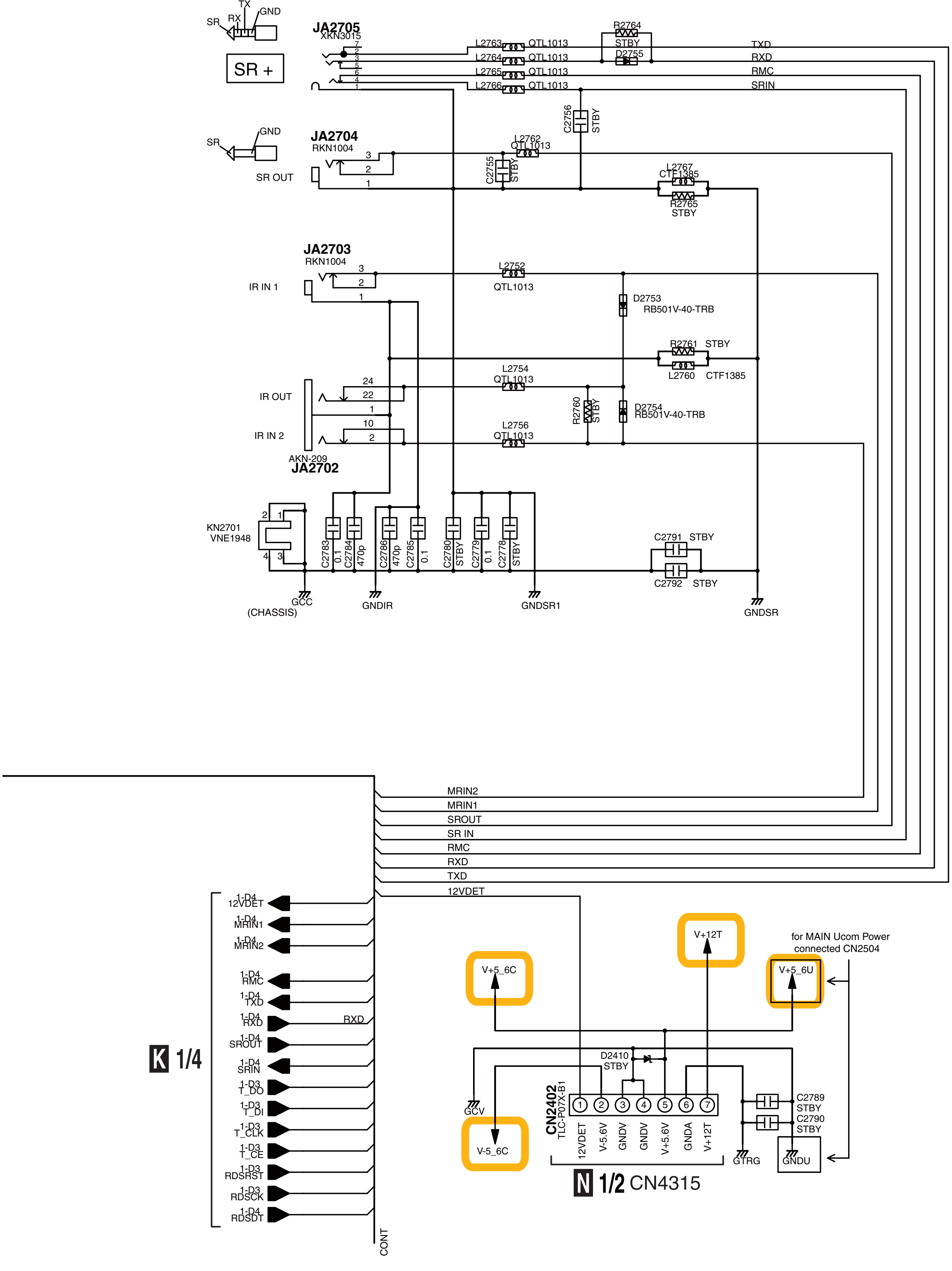

from TUNER MODULE (CN1)
T CE
T DI
T CLK
T DO
GNDT
TL
V+9T
TR
VSM
FM DET
GNDT
1
2
3
4
5
6
7
8
9
10
11
CKS3376-
CN2702
V+12T
D2771
STBY
R2771
0
Q2771
2SD1664(PQR)
⚠
C2773
100/16
R2772
390
C2772 STBY
C2771
100/16
D2772
UDZS10(B)
(TL)
V+12T
Q2772
STBY
C
B
E
R2773
STBY
R2774
STBY
STBY
R2775
C2787
0.01
C2788
0.1
GNDTC
GCC
TUNER_R
2-D1
TUNER_L
2-D1
(TL)
K 2/4
TUNER
MODULE
FM:80mA
AM:60mA
T_CE
T_DI
T_CLK
T_DO


2701
VEF1040


2702
VEF1040

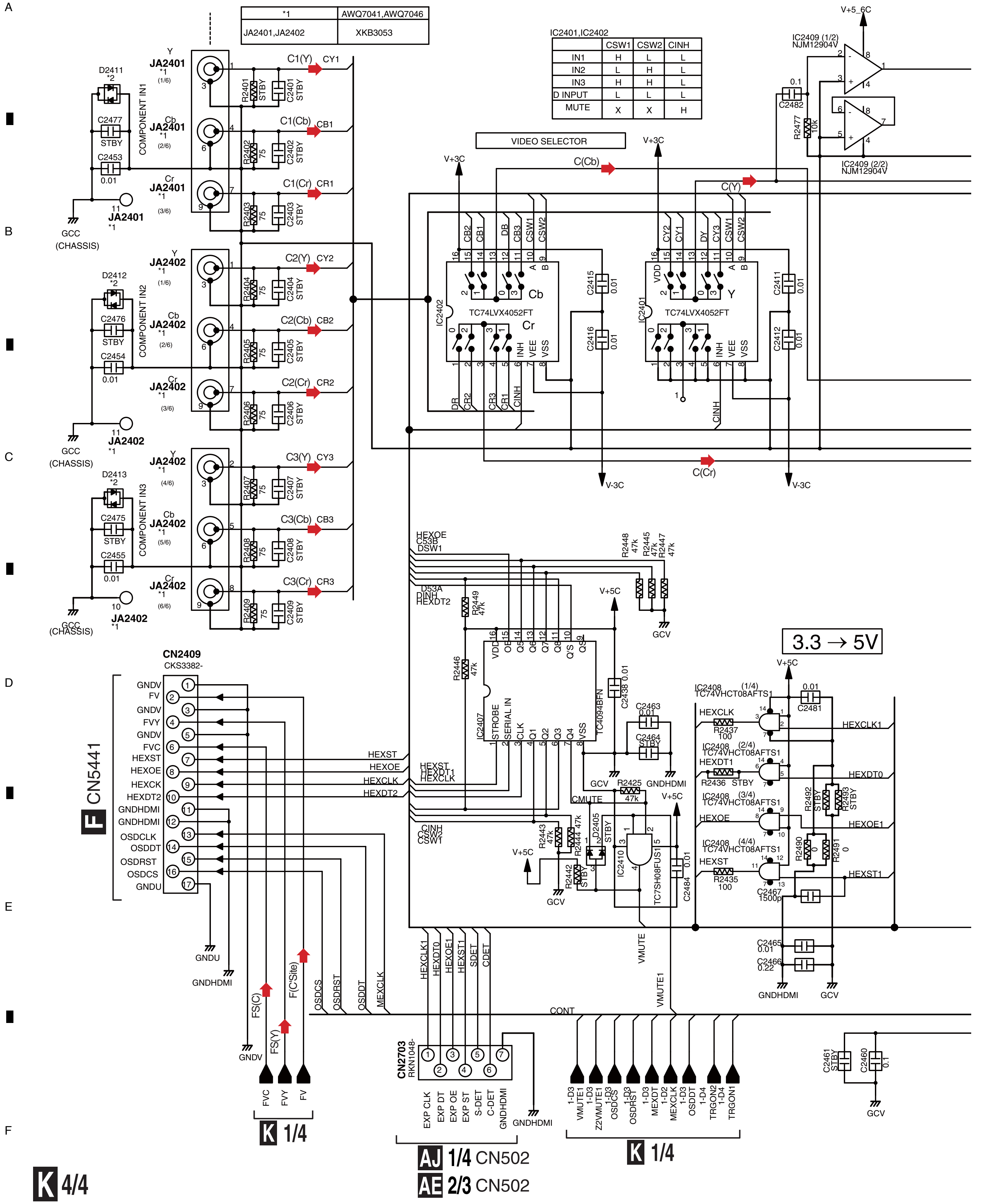
(TL) ➡: AUDIO SIGNAL ROUTE(TUNER)

K 3/4 COMPONENT & VOL ASSY
(VSX-94TXH:AWQ7041)
(VSX-92TXH:AWQ7046)



SR
RX
TX
GND
SR +
JA2705
XKN3015
7
2
3
5
6
4
1
L2763
L2764
L2765
L2766
QTL1013
QTL1013
QTL1013
QTL1013
R2764
STBY
D2755
TXD
RXD
RMC
SRIN
C2756
STBY
SR
GND
JA2704
RKN1004
3
2
1
SR OUT
L2762
QTL1013
C2755
STBY
L2767
CTF1385
R2765
STBY
JA2703
RKN1004
3
2
1
IR IN 1
L2752
QTL1013
D2753
RB501V-40-TRB
R2761
STBY
L2760
CTF1385
L2754
QTL1013
IR OUT
24
22
1
10
2
IR IN 2
R2760
STBY
D2754
RB501V-40-TRB
L2756
QTL1013
AKN-209
JA2702
KN2701
VNE1948
2
1
4
3
C2783
0.1
C2784
470p
C2786
470p
C2785
0.1
C2780
STBY
C2779
0.1
C2778
STBY
C2791
STBY
C2792
STBY
GCC
(CHASSIS)
GNDIR
GNDSR1
GNDSR
MRIN2
MRIN1
SROUT
SR IN
RMC
RXD
TXD
12VDET
1-D4
12VDET
1-D4
MRIN1
1-D4
MRIN2
1-D4
RMC
1-D4
TXD
1-D4
RXD
RXD
1-D4
SROUT
1-D4
SRIN
1-D3
T_DO
1-D3
T_DI
1-D3
T_CLK
1-D3
T_CE
1-D3
RDSRST
1-D3
RDSCK
1-D4
RDSDT
K 1/4
CONT
V+12T
for MAIN Ucom Power
connected CN2504
V+5_6C
V+5_6U
D2410
STBY
GCV
CN2402
TLC-P07X-B1
1
2
3
4
5
6
7
12VDET
V-5.6V
GNDV
GNDV
V+5.6V
GNDA
V+12T
C2789
STBY
C2790
STBY
V-5_6C
GTRG
GNDU
N 1/2 CN4315

10.10 COMPONENT & VOL ASSY (4/4)



*1	AWQ7041,AWQ7046
JA2401,JA2402	XKB3053

IC2401,IC2402

	CSW1	CSW2	CINH
IN1	H	L	L
IN2	L	H	L
IN3	H	H	L
D INPUT	L	L	L
MUTE	X	X	H

1
2
3
4
A
B
C
D
E
F
JA2401
JA2402
D2411
D2412
D2413
C2477
C2476
C2475
C2453
C2454
C2455
STBY
0.01
GCC
(CHASSIS)
COMPONENT IN1
COMPONENT IN2
COMPONENT IN3
Y
Cb
Cr
(1/6)
(2/6)
(3/6)
(4/6)
(5/6)
(6/6)
R2401
R2402
R2403
R2404
R2405
R2406
R2407
R2408
R2409
75
C2401
C2402
C2403
C2404
C2405
C2406
C2407
C2408
C2409
C1(Y)
CY1
C1(Cb)
CB1
C1(Cr)
CR1
C2(Y)
CY2
C2(Cb)
CB2
C2(Cr)
CR2
C3(Y)
CY3
C3(Cb)
CB3
C3(Cr)
CR3
VIDEO SELECTOR
V+3C
V-3C
C(Cb)
C(Y)
C(Cr)
IC2402
IC2401
TC74LVX4052FT
CB2
CB1
DB
CB3
CSW1
CSW2
CY2
CY1
DY
CY3
DR
CR2
CR3
CR1
CINH
INH
VEE
VSS
VDD
C2415
C2416
C2411
C2412
IC2409 (1/2)
IC2409 (2/2)
NJM12904V
V+5_6C
C2482
0.1
R2477
10k
HEXOE
C53B
DSW1
D53A
DINH
HEXDT2
R2448
R2445
R2447
R2449
R2446
47k
V+5C
GCV
IC2407
TC4094BFN
STROBE
SERIAL IN
CLK
OE
Q'S
QS
C2438
C2463
C2464
R2425
GNDHDMI
CMUTE
D2405
IC2410
TC7SH08FUS1
R2443
R2444
R2442
C2484
HEXST
HEXCLK
HEXST1
HEXDT1
CINH
CSW2
CSW1
3.3 → 5V
IC2408
TC74VHCT08AFTS1
(1/4)
(2/4)
(3/4)
(4/4)
R2437
R2436
R2435
100
C2481
HEXCLK1
HEXDT0
HEXOE1
R2492
R2493
R2490
R2491
0
C2467
1500p
C2465
C2466
0.22
CN2409
CKS3382-
F CN5441
GNDV
FV
FVY
FVC
HEXST
HEXOE
HEXCK
HEXDT2
GNDHDMI
OSDCLK
OSDDT
OSDRST
OSDCS
GNDU
FS(C)
FS(Y)
F(CSite)
OSDCS
OSDRST
OSDDT
MEXCLK
HEXCLK1
HEXDT0
HEXOE1
HEXST1
SDET
CDET
VMUTE
VMUTE1
CONT
CN2703
RKN1048-
EXP CLK
EXP DT
EXP OE
EXP ST
S-DET
C-DET
GNDHDMI
1-D3
VMUTE1
Z2VMUTE1
OSDCS
OSDRST
MEXDT
1-D2
MEXCLK
OSDDT
1-D4
TRGON2
TRGON1
FVC
FVY
FV
K 1/4
AJ 1/4 CN502
AE 2/3 CN502
C2461
C2460
K 4/4

K 4/4 COMPONENT & VOL ASSY (VSX-94TXH:AWQ7041) (VSX-92TXH:AWQ7046)

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

*2	AWQ7041,AWQ7046
D2411-D2414	STBY
C2474	STBY

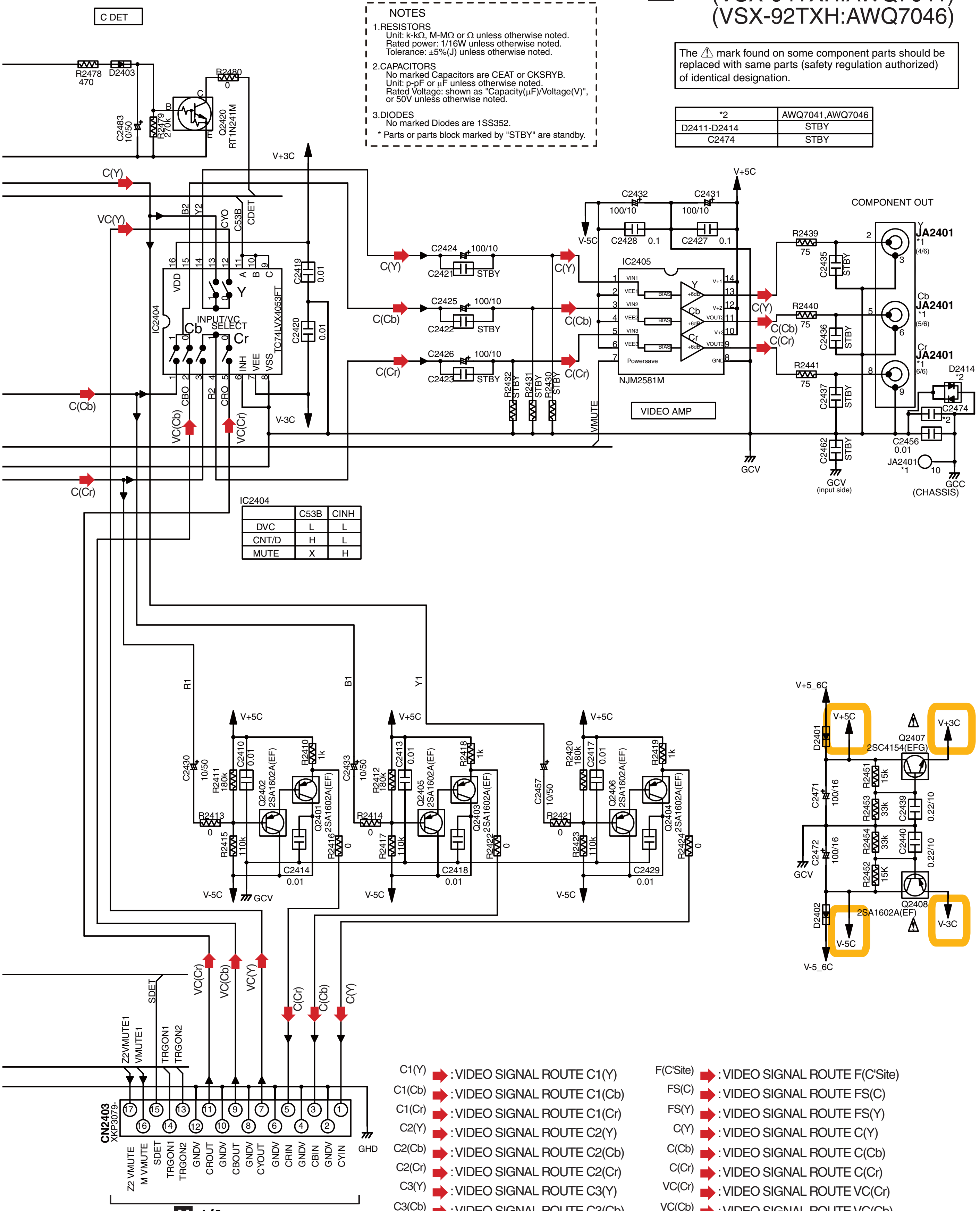
NOTES

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as "Capacity(µF)/Voltage(V)", or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.

* Parts or parts block marked by "STBY" are standby.


C DET
R2478 470
D2403
R2480 0
C2483 10/50
R2479 270k
Q2420 RT1N241M
V+3C
C(Y)
VC(Y)
B2 Y2 CYO C53B CDET
IC2404 TC74LVX4053FT
VDD
INPUT/VC SELECT
Y Cb Cr
INH VEE VSS
CBO R2 CRO
C2419 0.01
C2420 0.01
V-3C
C(Cb)
C(Cr)
VC(Cb)
VC(Cr)
C2424 100/10
C2421 STBY
C2425 100/10
C2422 STBY
C2426 100/10
C2423 STBY
R2432 STBY
R2431 STBY
R2430 STBY
VMUTE
V-5C
V+5C
C2432 100/10
C2431 100/10
C2428 0.1
C2427 0.1
IC2405 NJM2581M
VIDEO AMP
GCV
COMPONENT OUT
R2439 75
R2440 75
R2441 75
C2435 STBY
C2436 STBY
C2437 STBY
C2462 STBY
JA2401 *1
D2414 *2
C2474 *2
C2456 0.01
GCV (input side)
GCC (CHASSIS)
R1 B1 Y1
C2430 10/50
R2411 180k
C2410 0.01
Q2402 2SA1602A(EF)
Q2401 2SA1602A(EF)
R2410 1k
R2413 0
R2415 110k
R2416 0
C2414 0.01
C2433 10/50
R2412 180k
C2413 0.01
Q2405 2SA1602A(EF)
Q2403 2SA1602A(EF)
R2418 1k
R2414 0
R2417 110k
R2422 0
C2418 0.01
C2457 10/50
R2420 180k
C2417 0.01
Q2406 2SA1602A(EF)
Q2404 2SA1602A(EF)
R2419 1k
R2421 0
R2423 110k
R2424 0
C2429 0.01
V+5_6C
D2401
Q2407 2SC4154(EFG)
R2451 15k
R2453 33k
C2439 0.22/10
C2471 100/16
C2472 100/16
R2454 33k
C2440 0.22/10
R2452 15K
Q2408 2SA1602A(EF)
D2402
V-5_6C
V+3C
V-3C
CN2403 XKP3079-
SDET
Z2VMUTE1 VMUTE1 TRGON1 TRGON2
Z2 VMUTE M VMUTE SDET TRGON1 TRGON2 GNDV CROUT GNDV CBOUT GNDV CYOUT GNDV CRIN GNDV CBIN GNDV CYIN
GHD

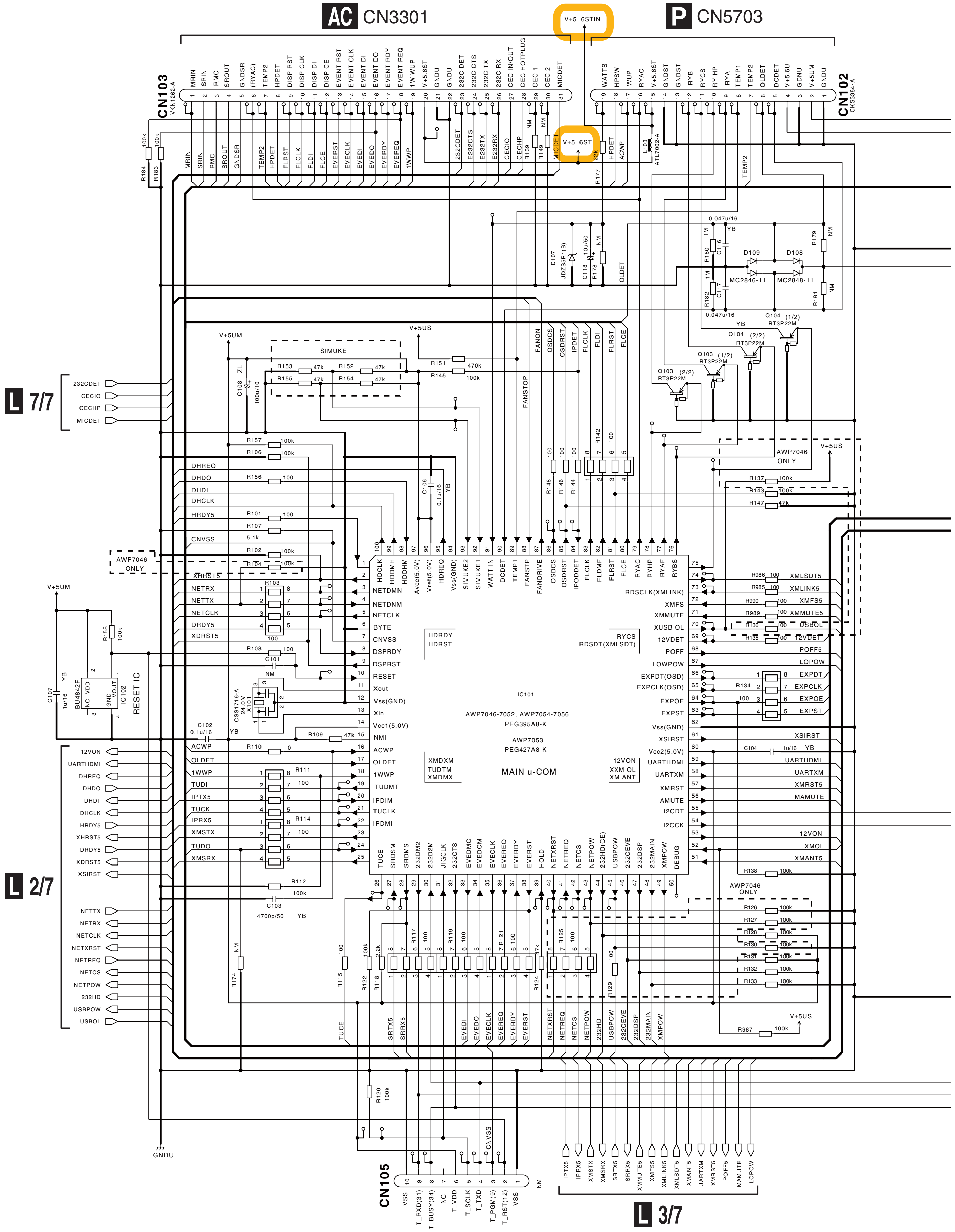
IC2404

	C53B	CINH
DVC	L	L
CNT/D	H	L
MUTE	X	H

N 1/2 CN4314

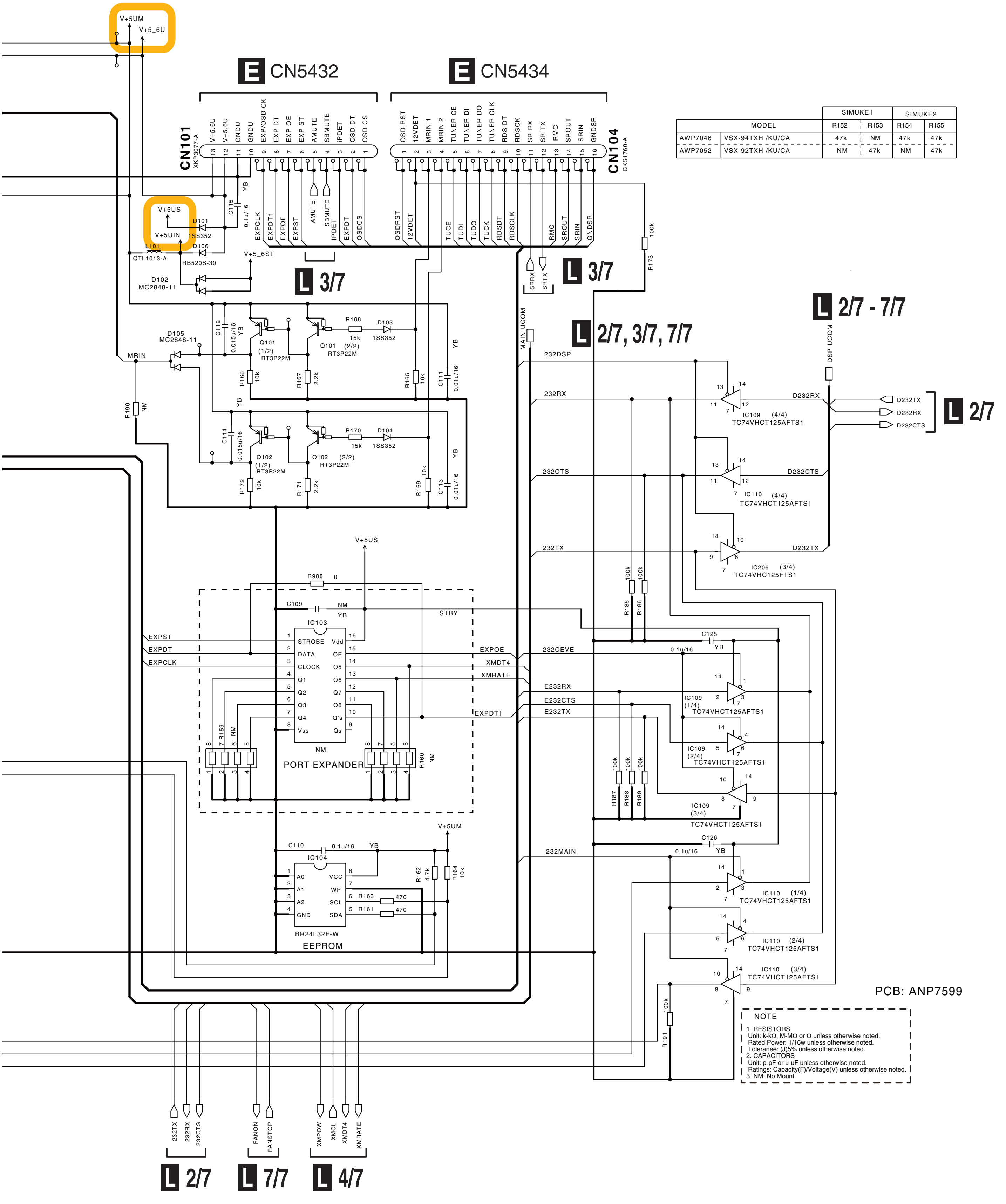
C1(Y)	➡ : VIDEO SIGNAL ROUTE C1(Y)
C1(Cb)	➡ : VIDEO SIGNAL ROUTE C1(Cb)
C1(Cr)	➡ : VIDEO SIGNAL ROUTE C1(Cr)
C2(Y)	➡ : VIDEO SIGNAL ROUTE C2(Y)
C2(Cb)	➡ : VIDEO SIGNAL ROUTE C2(Cb)
C2(Cr)	➡ : VIDEO SIGNAL ROUTE C2(Cr)
C3(Y)	➡ : VIDEO SIGNAL ROUTE C3(Y)
C3(Cb)	➡ : VIDEO SIGNAL ROUTE C3(Cb)
C3(Cr)	➡ : VIDEO SIGNAL ROUTE C3(Cr)
F(C'Site)	➡ : VIDEO SIGNAL ROUTE F(C'Site)
FS(C)	➡ : VIDEO SIGNAL ROUTE FS(C)
FS(Y)	➡ : VIDEO SIGNAL ROUTE FS(Y)
C(Y)	➡ : VIDEO SIGNAL ROUTE C(Y)
C(Cb)	➡ : VIDEO SIGNAL ROUTE C(Cb)
C(Cr)	➡ : VIDEO SIGNAL ROUTE C(Cr)
VC(Cr)	➡ : VIDEO SIGNAL ROUTE VC(Cr)
VC(Cb)	➡ : VIDEO SIGNAL ROUTE VC(Cb)
VC(Y)	➡ : VIDEO SIGNAL ROUTE VC(Y)

10.11 DIGITAL MOTHER ASSY (1/7)


AC CN3301
V+5_6STIN
P CN5703
CN103
VKN1262-A
MRIN
SRIN
RMC
SROUT
GNDSR
(RYAC)
TEMP2
HPDET
DISP RST
DISP CLK
DISP DI
DISP CE
EVENT RST
EVENT CLK
EVENT DI
EVENT DO
EVENT RDY
EVENT REQ
1W WUP
V+5.6ST
GNDU
GNDU
232C DET
232C CTS
232C TX
232C RX
CEC IN/OUT
CEC HOTPLUG
CEC 1
CEC 2
MICDET
WATTS
HPSW
WUP
RYAC
V+5.6ST
GNDST
GNDST
RYB
RYCS
RY HP
RYA
TEMP1
TEMP2
OLDET
DCDET
V+5.6U
GDNU
V+5UM
GNDU
CN102
CKS3384-A
V+5_6ST
L103
ATL7002-A
R184
R183
100k
D107
UDZS5R1(B)
C118
10u/50
R178
NM
R180
1M
C116
0.047u/16
YB
D109
D108
MC2846-11
MC2848-11
R179
R181
R182
C117
Q104 (1/2)
RT3P22M
Q104 (2/2)
Q103 (1/2)
Q103 (2/2)
L 7/7
232CDET
CECIO
CECHP
MICDET
V+5UM
V+5US
SIMUKE
R153 47k
R152 47k
R155 47k
R154 47k
R151 470k
R145 100k
C108 100u/10 ZL
FANON
OSDCS
OSDRST
IPDET
FLCLK
FLDI
FLRST
FLCE
FANSTOP
AWP7046 ONLY
R137 100k
R143 100k
R147 47k
DHREQ
DHDO
DHDI
DHCLK
HRDY5
CNVSS
XHRST5
NETRX
NETTX
NETCLK
DRDY5
XDRST5
R157 100k
R106 100k
R156 100
R101 100
R107
5.1k
R102 100k
R104 100k
R103
R108 100
C101
C106 0.1u/16 YB
R148 R146 R144 R142
IC101
AWP7046-7052, AWP7054-7056
PEG395A8-K
AWP7053
PEG427A8-K
MAIN u-COM
HDCLK HDDMH HDDMM Avcc(5.0V) Vref(5.0V) HDREQ Vss(GND) SIMUKE2 SIMUKE1 WATT IN DCDET TEMP1 FANSTP FANDRIVE OSDCS OSDRST IPODDET FLCLK FLDMF FLRST FLCE RYAC RYHP RYAF RYBS
NETDMN NETDNM NETCLK BYTE CNVSS DSPRDY DSPRST RESET Xout Vss(GND) Xin Vcc1(5.0V) NMI ACWP OLDET 1WWP TUDMT IPDIM TUCLK IPDMI
HDRDY HDRST
RYCS RDSDT(XMLSDT)
RDSCLK(XMLINK) XMFS XMMUTE XUSB OL 12VDET POFF LOWPOW EXPDT(OSD) EXPCLK(OSD) EXPOE EXPST Vss(GND) XSIRST Vcc2(5.0V) UARTHDMI UARTXM XMRST AMUTE I2CDT I2CCK
XMDXM TUDTM XMDMX
12VON XXM OL XM ANT
TUCE SRDSM SRDMS 232DM2 232D2M JIGCLK 232CTS EVEDMC EVEDCM EVECLK EVEREQ EVERDY EVERST HOLD NETXRST NETREQ NETCS NETPOW 232HD(CE) USBPOW 232CEVE 232DSP 232MAIN XMPOW DEBUG
R986 100 XMLSDT5
R985 100 XMLINK5
R990 100 XMFS5
R989 100 XMMUTE5
R136 100 USBOL
R135 100 12VDET
POFF5
LOPOW
R134 100 EXPDT EXPCLK EXPOE EXPST
XSIRST
C104 1u/16 YB
UARTHDMI
UARTXM
XMRST5
MAMUTE
12VON
XMOL
XMANT5
R138 100k
AWP7046 ONLY
R126 R127 R128 R130 R131 R132 R133 100k
R987 100k
V+5US
V+5UM
R158 100k
C107 1u/16 YB
IC102 BU4842F
NC VDD GND VOUT
RESET IC
C102 0.1u/16 YB
X101 CSS1716-A 24.0M
NM
R109 47k
R110 0
ACWP
OLDET
1WWP
TUDI
IPTX5
TUCK
IPRX5
XMSTX
TUDO
XMSRX
R111 100
R114 100
R112 100k
C103 4700p/50 YB
L 2/7
12VON
UARTHDMI
DHREQ
DHDO
DHDI
DHCLK
HRDY5
XHRST5
DRDY5
XDRST5
XSIRST
NETTX
NETRX
NETCLK
NETXRST
NETREQ
NETCS
NETPOW
232HD
USBPOW
USBOL
R174 NM
R115 100
R122 100k
R118 2.2k
R117 100
R119 100
R121 100
R124 47k
R125 100
R129 100
TUCE
SRTX5
SRRX5
EVEDI
EVEDO
EVECLK
EVEREQ
EVERDY
EVERST
NETXRST
NETREQ
NETCS
NETPOW
232HD
USBPOW
232CEVE
232DSP
232MAIN
XMPOW
R120 100k
GNDU
CNVSS
CN105
VSS T_RXD(31) T_BUSY(34) NC T_VDD T_SCLK T_TXD T_PGM(9) T_RST(12) VSS
NM
IPTX5 IPRX5 XMSTX XMSRX SRTX5 SRRX5 XMMUTE5 XMFS5 XMLINK5 XMLSDT5 XMANT5 UARTXM XMRST5 POFF5 MAMUTE LOPOW
L 3/7

L 1/7

L 1/7 DIGITAL MOTHER ASSY
(VSX-94TXH:AWP7046)
(VSX-92TXH:AWP7052)


V+5UM
V+5_6U
E CN5432
E CN5434
CN101
XKP3077-A
V+5.6U
V+5.6U
GNDU
GNDU
EXP/OSD CK
EXP DT
EXP OE
EXP ST
AMUTE
SBMUTE
IPDET
OSD DT
OSD CS
OSD RST
12VDET
MRIN 1
MRIN 2
TUNER CE
TUNER DI
TUNER DO
TUNER CLK
RDS DT
RDSCK
SR RX
SR TX
RMC
SROUT
SRIN
GNDSR
CN104
CKS1760-A
EXPCLK
EXPDT1
EXPOE
EXPST
AMUTE
SBMUTE
IPDET
EXPDT
OSDCS
OSDRST
12VDET
TUCE
TUDI
TUDO
TUCK
RDSDT
RDSCLK
RMC
SROUT
SRIN
GNDSR
V+5US
V+5UIN
D101
1SS352
D106
L101
QTL1013-A
RB520S-30
V+5_6ST
D102
MC2848-11
L 3/7
SRRX
SRTX
L 3/7
R173
100k
C115
0.1u/16
YB
D105
MC2848-11
MRIN
R190
NM
C112
0.015u/16
Q101
(1/2)
RT3P22M
Q101 (2/2)
RT3P22M
R166
15k
D103
1SS352
R168
10k
R167
2.2k
R165
10k
C111
0.01u/16
C114
0.015u/16
Q102
(1/2)
RT3P22M
Q102 (2/2)
RT3P22M
R170
15k
D104
1SS352
R172
10k
R171
2.2k
R169
10k
C113
0.01u/16
MAIN UCOM
L 2/7, 3/7, 7/7
L 2/7 - 7/7
DSP UCOM
232DSP
232RX
232CTS
232TX
IC109 (4/4)
TC74VHCT125AFTS1
D232RX
D232TX
D232RX
D232CTS
L 2/7
IC110 (4/4)
TC74VHCT125AFTS1
D232CTS
IC206 (3/4)
TC74VHC125FTS1
D232TX
R185
100k
R186
100k
V+5US
R988
0
C109
NM
YB
IC103
STBY
EXPST
EXPDT
EXPCLK
STROBE
DATA
CLOCK
Q1
Q2
Q3
Q4
Vss
Vdd
OE
Q5
Q6
Q7
Q8
Q's
Qs
EXPOE
XMDT4
XMRATE
EXPDT1
R159
NM
NM
PORT EXPANDER
R160
NM
232CEVE
E232RX
E232CTS
E232TX
C125
0.1u/16
YB
IC109 (1/4)
TC74VHCT125AFTS1
IC109 (2/4)
TC74VHCT125AFTS1
IC109 (3/4)
TC74VHCT125AFTS1
R187
100k
R188
100k
R189
100k
V+5UM
C110
0.1u/16
YB
IC104
A0
A1
A2
GND
VCC
WP
SCL
SDA
R162
4.7k
R164
10k
R163
470
R161
470
BR24L32F-W
EEPROM
232MAIN
C126
0.1u/16
YB
IC110 (1/4)
TC74VHCT125AFTS1
IC110 (2/4)
TC74VHCT125AFTS1
IC110 (3/4)
TC74VHCT125AFTS1
R191
100k
232TX
232RX
232CTS
FANON
FANSTOP
XMPOW
XMOL
XMDT4
XMRATE
L 2/7
L 7/7
L 4/7

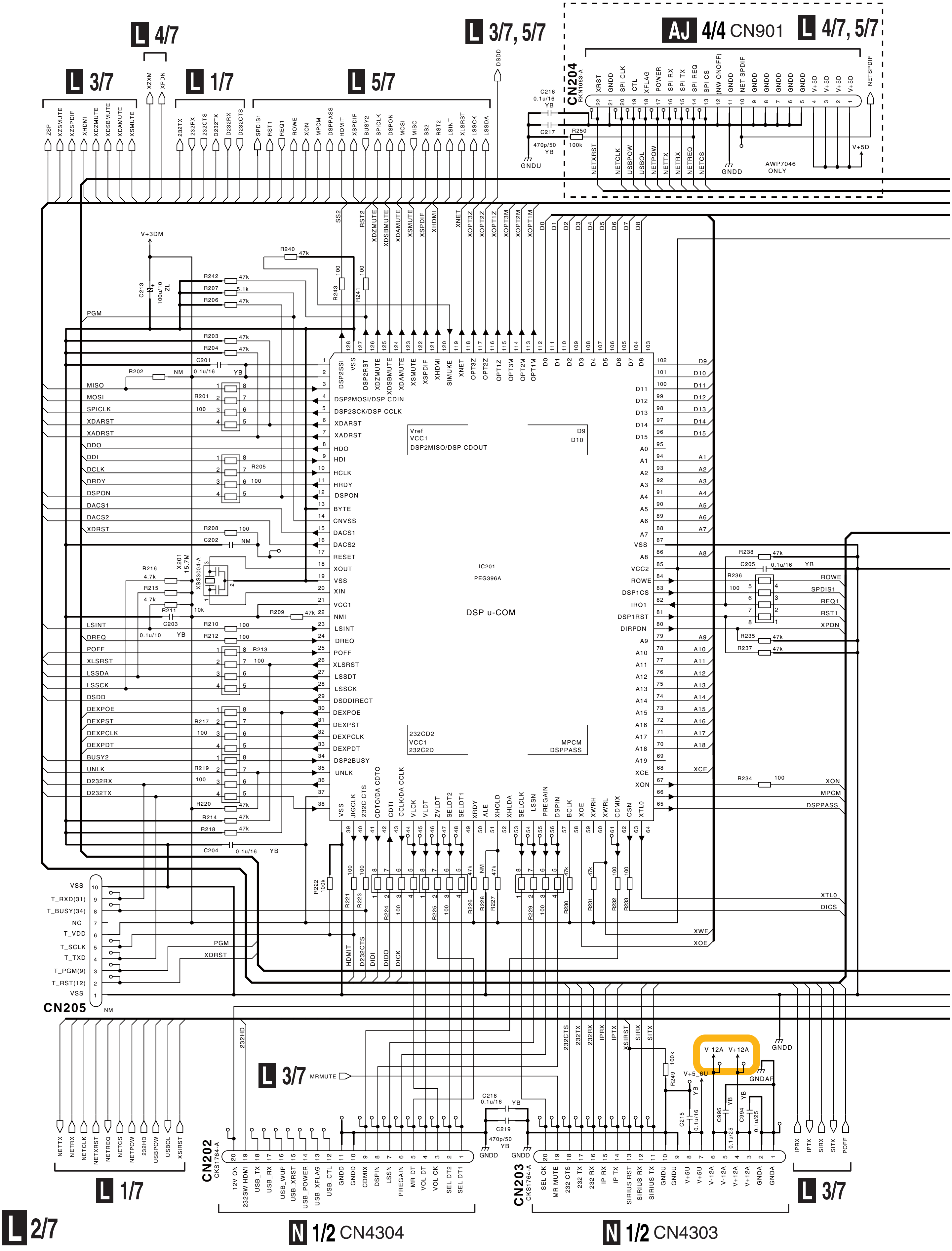
		SIMUKE1		SIMUKE2	
MODEL		R152	R153	R154	R155
AWP7046	VSX-94TXH /KU/CA	47k	NM	47k	47k
AWP7052	VSX-92TXH /KU/CA	NM	47k	NM	47k

PCB: ANP7599

NOTE

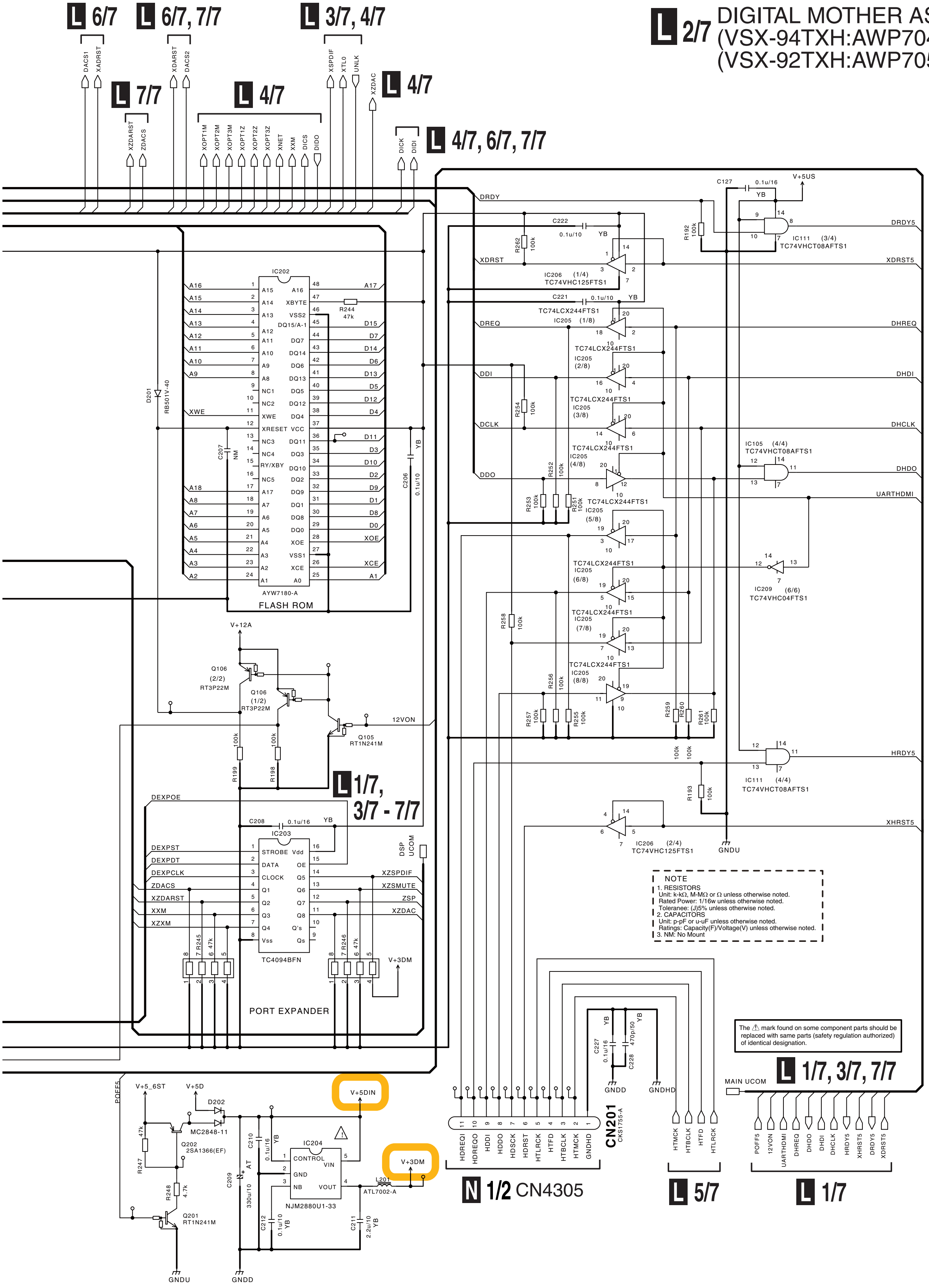
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

10.12 DIGITAL MOTHER ASSY (2/7)



L 4/7
XZXM
XPDN
L 3/7
ZSP
XZSMUTE
XZSPDIF
XHDMI
XDZMUTE
XDSBMUTE
XDAMUTE
XSMUTE
L 1/7
232TX
232RX
232CTS
D232TX
D232RX
D232CTS
L 5/7
SPDIS1
RST1
REQ1
ROWE
XON
MPCM
DSPPASS
HDMIT
XSPDIF
BUSY2
SPICLK
DSPON
MOSI
MISO
SS2
RST2
LSINT
XLSRST
LSSCK
LSSDA
L 3/7, 5/7
DSDD
AJ 4/4 CN901
L 4/7, 5/7
CN204
RKN1063-A
XRST
GNDD
SPI CLK
CTL
XFLAG
POWER
SPI RX
SPI TX
SPI REQ
SPI CS
(NW ONOFF)
GNDD
NET SPDIF
V+5D
NETSPDIF
NETXRST
NETCLK
USBPOW
USBOL
NETPOW
NETTX
NETRX
NETREQ
NETCS
C216
0.1u/16
YB
C217
470p/50
YB
R250
100k
GNDU
GNDD
AWP7046
ONLY
V+5D
V+3DM
C213
100u/10
ZL
R240
47k
R242 47k
R207 5.1k
R206 47k
R243 100
R241 100
PGM
R203 47k
R204 47k
C201 0.1u/16 YB
R202 NM
R201 100
R205 100
R208 100
C202 NM
X201
15.7M
XSS3004-A
R216 4.7k
R215 4.7k
R211 10k
C203 0.1u/10 YB
R209 47k
R210 100
R212 100
R213 100
R217 100
R219 100
R220 47k
R214 47k
R218 47k
C204 0.1u/16 YB
IC201
PEG396A
DSP u-COM
DSP2SSI
VSS
DSP2RST
XDZMUTE
XDSBMUTE
XDAMUTE
XSMUTE
XSPDIF
XHDMI
SIMUKE
XNET
OPT3Z
OPT2Z
OPT1Z
OPT3M
OPT2M
OPT1M
D0
D1
D2
D3
D4
D5
D6
D7
D8
DSP2MOSI/DSP CDIN
DSP2SCK/DSP CCLK
XDARST
XADRST
HDO
HDI
HCLK
HRDY
DSPON
BYTE
CNVSS
DACS1
DACS2
RESET
XOUT
VSS
XIN
VCC1
NMI
LSINT
DREQ
POFF
XLSRST
LSSDT
LSSCK
DSDDIRECT
DEXPOE
DEXPST
DEXPCLK
DEXPDT
DSP2BUSY
UNLK
Vref
VCC1
DSP2MISO/DSP CDOUT
D9
D10
232CD2
VCC1
232C2D
MPCM
DSPPASS
D11
D12
D13
D14
D15
A0
A1
A2
A3
A4
A5
A6
A7
VSS
A8
VCC2
ROWE
DSP1CS
IRQ1
DSP1RST
DIRPDN
A9
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
XCE
XON
JIGCLK
232C CTS
CDTO/DA CDTO
CDTI
CCLK/DA CCLK
VLCK
VLDT
ZVLDT
SELDT2
SELDT1
XRDY
ALE
XHOLD
XHLDA
SELCLK
LSSN
PREGAIN
DSPIN
BCLK
XOE
XWRH
XWRL
CDMIX
CSN
XTLO
MISO
MOSI
SPICLK
XDARST
XADRST
DDO
DDI
DCLK
DRDY
DSPON
DACS1
DACS2
XDRST
LSINT
DREQ
POFF
XLSRST
LSSDA
LSSCK
DSDD
DEXPOE
DEXPST
DEXPCLK
DEXPDT
BUSY2
UNLK
D232RX
D232TX
SS2
RST2
XDZMUTE
XDSBMUTE
XDAMUTE
XSMUTE
XSPDIF
XHDMI
XNET
XOPT3Z
XOPT2Z
XOPT1Z
XOPT3M
XOPT2M
XOPT1M
R238 47k
C205 0.1u/16 YB
R236 100
ROWE
SPDIS1
REQ1
RST1
XPDN
R235 47k
R237 47k
XCE
R234 100
XON
MPCM
DSPPASS
XTLO
DICS
XWE
XOE
R222 100k
R221 100
R223 100
R224 100
R225 100
R226 NM
R228
R227 47k
R229 100
R230 47k
R231 47k
R232 100
R233 100
HDMIT
D232CTS
DIDI
DIDO
DICK
VSS
T_RXD(31)
T_BUSY(34)
NC
T_VDD
T_SCLK
T_TXD
T_PGM(9)
T_RST(12)
VSS
PGM
XDRST
CN205
NM
NETTX
NETCLK
NETXRST
NETREQ
NETCS
NETPOW
232HD
USBPOW
USBOL
XSIRST
L 1/7
232HD
L 3/7
MRMUTE
CN202
CKS1764-A
12V ON
232SW HDMI
USB_TX
USB_RX
USB_WUP
USB_XRST
USB_POWER
USB_XFLAG
USB_CTL
GNDD
GNDD
CDMIX
DSPIN
LSSN
PREGAIN
MR DT
VOL DT
VOL CK
SEL DT2
SEL DT1
C218 0.1u/16 YB
C219 470p/50 YB
GNDD
GNDD
CN203
CKS1764-A
SEL CK
MR MUTE
232 CTS
232 TX
232 RX
IP RX
IP TX
SIRIUS RST
SIRIUS RX
SIRIUS TX
GNDU
GNDU
V+5U
V+5U
V-12A
V-12A
V+12A
V+12A
GNDA
GNDA
232CTS
232TX
232RX
IPRX
IPTX
XSIRST
SIRX
SITX
R249 100k
V+5_6U
C215 0.1u/16 YB
V-12A
V+12A
GNDA
C995 0.1u/25 YB
C994 0.1u/25 YB
GNDD
IPRX
IPTX
SIRX
SITX
POFF
L 3/7
L 2/7
N 1/2 CN4304
N 1/2 CN4303

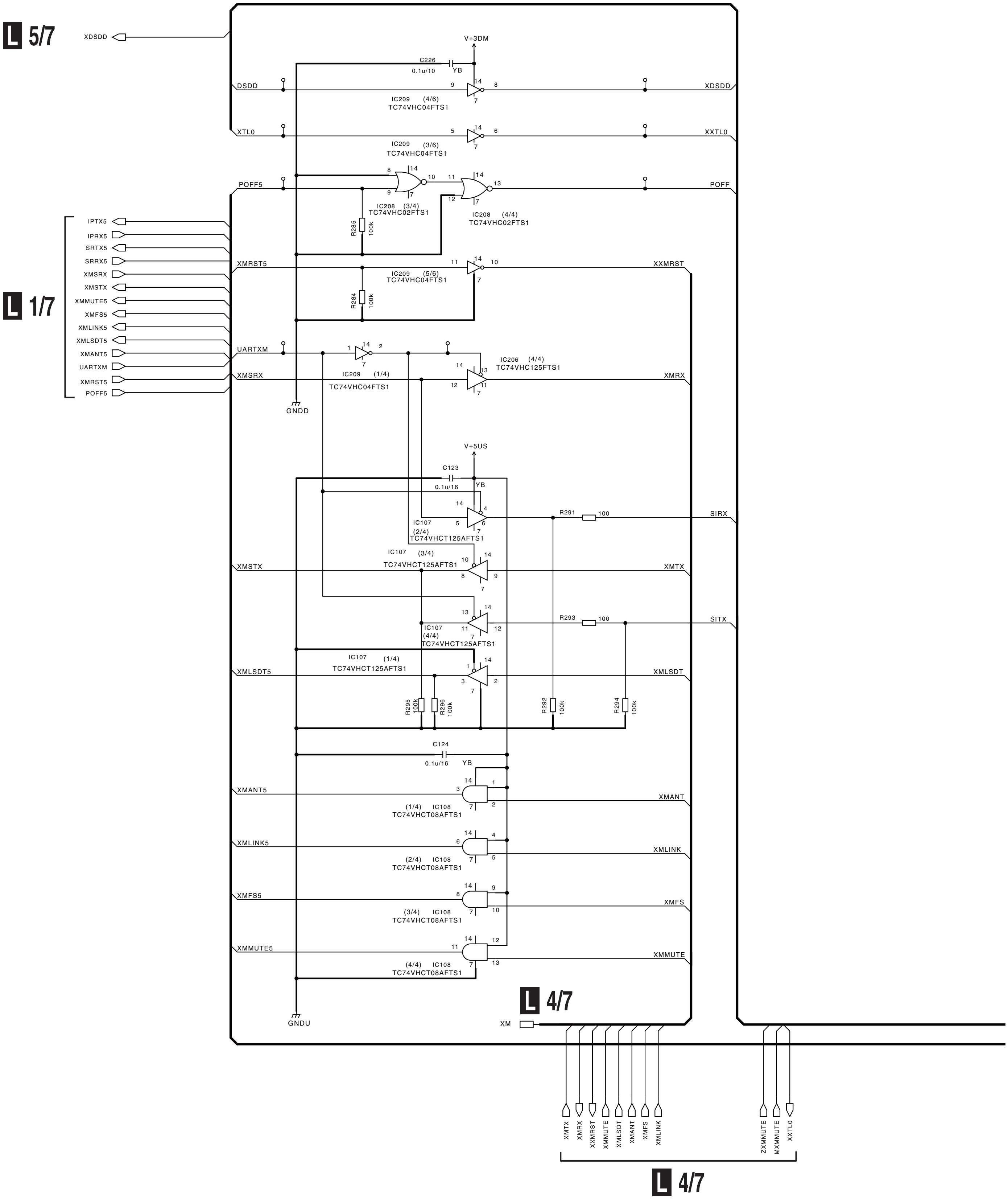
L 2/7 DIGITAL MOTHER ASSY
(VSX-94TXH:AWP7046)
(VSX-92TXH:AWP7052)


L 6/7
DACS1
XADRST
L 6/7, 7/7
XDARST
DACS2
L 3/7, 4/7
XSPDIF
XTL0
UNLK
L 4/7
XZDAC
L 7/7
XZDARST
ZDACS
L 4/7
XOPT1M
XOPT2M
XOPT3M
XOPT1Z
XOPT2Z
XOPT3Z
XNET
XXM
DICS
DIDO
DICK
DIDI
L 4/7, 6/7, 7/7
IC202
AYW7180-A
FLASH ROM
R244 47k
D201 RB501V-40
C207 NM
C206 0.1u/10 YB
XWE
V+12A
Q106 (2/2) RT3P22M
Q106 (1/2) RT3P22M
Q105 RT1N241M
12VON
R199 100k
R198 100k
L 1/7, 3/7 - 7/7
DEXPOE
C208 0.1u/16 YB
IC203
TC4094BFN
PORT EXPANDER
DEXPST
DEXPDT
DEXPCLK
ZDACS
XZDARST
XXM
XZXM
XZSPDIF
XZSMUTE
ZSP
XZDAC
DSP UCOM
R245 47k
R246 47k
V+3DM
DRDY
XDRST
DREQ
DDI
DCLK
DDO
C222 0.1u/10 YB
R262 100k
IC206 (1/4) TC74VHC125FTS1
C221 0.1u/10 YB
TC74LCX244FTS1
IC205 (1/8)
IC205 (2/8)
IC205 (3/8)
IC205 (4/8)
IC205 (5/8)
IC205 (6/8)
IC205 (7/8)
IC205 (8/8)
R254 100k
R252 100k
R253 100k
R251 100k
R258 100k
R256 100k
R257 100k
R255 100k
R259 100k
R260 100k
R261 100k
C127 0.1u/16 YB
V+5US
R192 100k
IC111 (3/4) TC74VHCT08AFTS1
DRDY5
XDRST5
DHREQ
DHDI
DHCLK
IC105 (4/4) TC74VHCT08AFTS1
DHDO
UARTHDMI
IC209 (6/6) TC74VHC04FTS1
IC111 (4/4) TC74VHCT08AFTS1
HRDY5
R193 100k
IC206 (2/4) TC74VHC125FTS1
XHRST5
GNDU
C227 0.1u/16 YB
C228 470p/50 YB
GNDD
GNDHD
CN201 CKS1755-A
HDREQI
HDREQO
HDDI
HDDO
HDSCK
HDRST
HTLRCK
HTFD
HTBCLK
HTMCK
GNDHD
N 1/2 CN4305
HTMCK
HTBCLK
HTFD
HTLRCK
L 5/7
MAIN UCOM
L 1/7, 3/7, 7/7
POFF5
12VON
UARTHDMI
DHREQ
DHDO
DHDI
DHCLK
HRDY5
XHRST5
DRDY5
XDRST5
L 1/7
POFF5
V+5_6ST
V+5D
D202
MC2848-11
Q202 2SA1366(EF)
R247 47k
R248 4.7k
Q201 RT1N241M
GNDU
C210 0.1u/16 YB
C209 330u/10 AT
IC204
NJM2880U1-33
CONTROL
VIN
GND
NB
VOUT
V+5DIN
V+3DM
L201 ATL7002-A
C212 0.1u/10 YB
C211 2.2u/10 YB
GNDD
5
6
7
8
A
B
C
D
E
F

NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

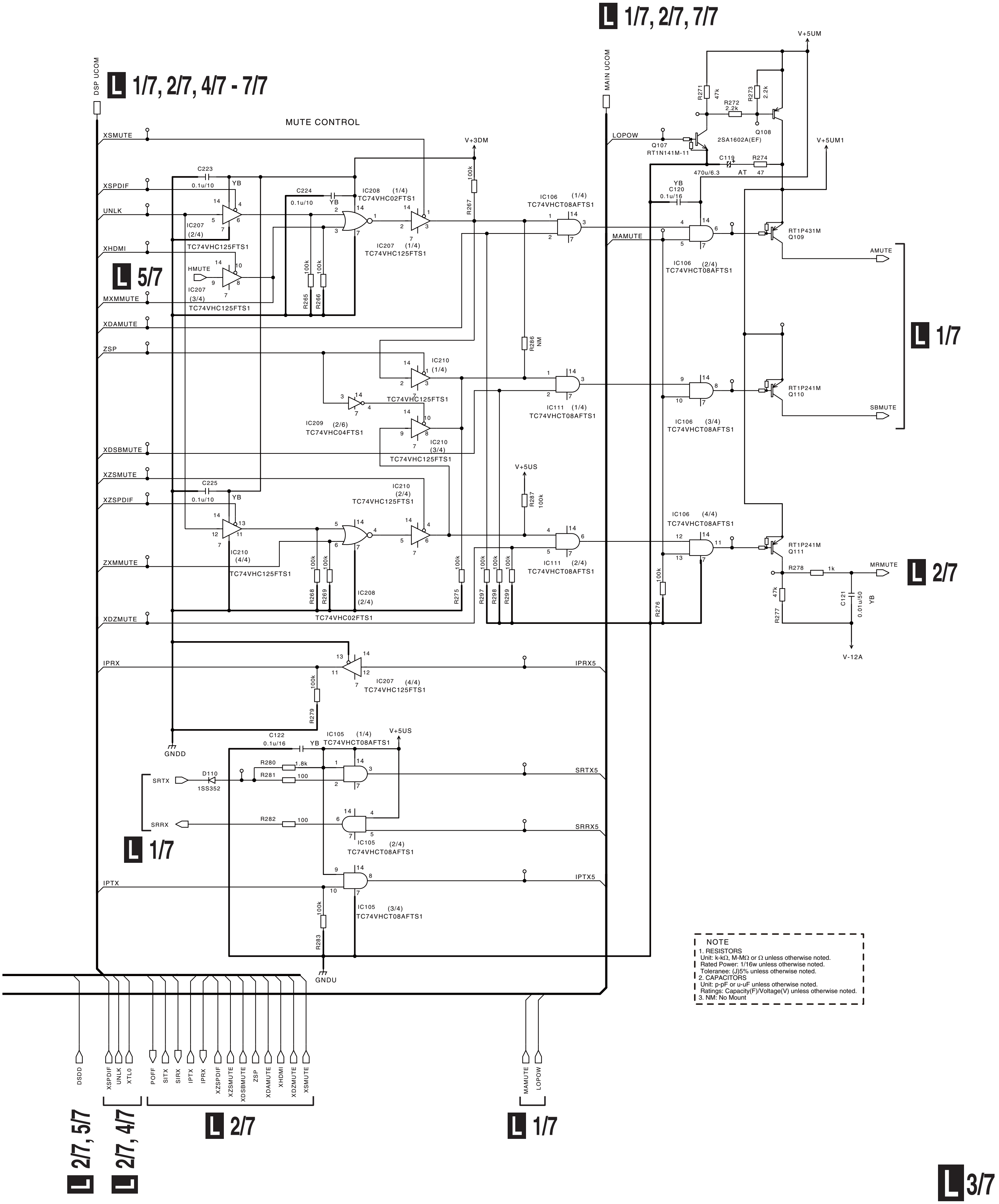
The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

10.13 DIGITAL MOTHER ASSY (3/7)


L 5/7
XDSDD
V+3DM
C226
0.1u/10
YB
DSDD
IC209 (4/6)
TC74VHC04FTS1
XDSDD
XTL0
IC209 (3/6)
TC74VHC04FTS1
XXTL0
POFF5
IC208 (3/4)
TC74VHC02FTS1
IC208 (4/4)
TC74VHC02FTS1
POFF
R285
100k
L 1/7
IPTX5
IPRX5
SRTX5
SRRX5
XMSRX
XMSTX
XMMUTE5
XMFS5
XMLINK5
XMLSDT5
XMANT5
UARTXM
XMRST5
POFF5
XMRST5
IC209 (5/6)
TC74VHC04FTS1
XXMRST
R284
100k
UARTXM
XMSRX
IC209 (1/4)
TC74VHC04FTS1
IC206 (4/4)
TC74VHC125FTS1
XMRX
GNDD
V+5US
C123
0.1u/16
YB
IC107 (2/4)
TC74VHCT125AFTS1
R291
100
SIRX
IC107 (3/4)
TC74VHCT125AFTS1
XMSTX
XMTX
IC107 (4/4)
TC74VHCT125AFTS1
R293
100
SITX
IC107 (1/4)
TC74VHCT125AFTS1
XMLSDT5
XMLSDT
R295
100k
R296
100k
R292
100k
R294
100k
C124
0.1u/16
YB
XMANT5
(1/4) IC108
TC74VHCT08AFTS1
XMANT
XMLINK5
(2/4) IC108
TC74VHCT08AFTS1
XMLINK
XMFS5
(3/4) IC108
TC74VHCT08AFTS1
XMFS
XMMUTE5
(4/4) IC108
TC74VHCT08AFTS1
XMMUTE
L 4/7
XM
GNDU
XMTX
XMRX
XXMRST
XMMUTE
XMLSDT
XMANT
XMFS
XMLINK
ZXMMUTE
MXMMUTE
XXTL0
L 4/7

L 3/7

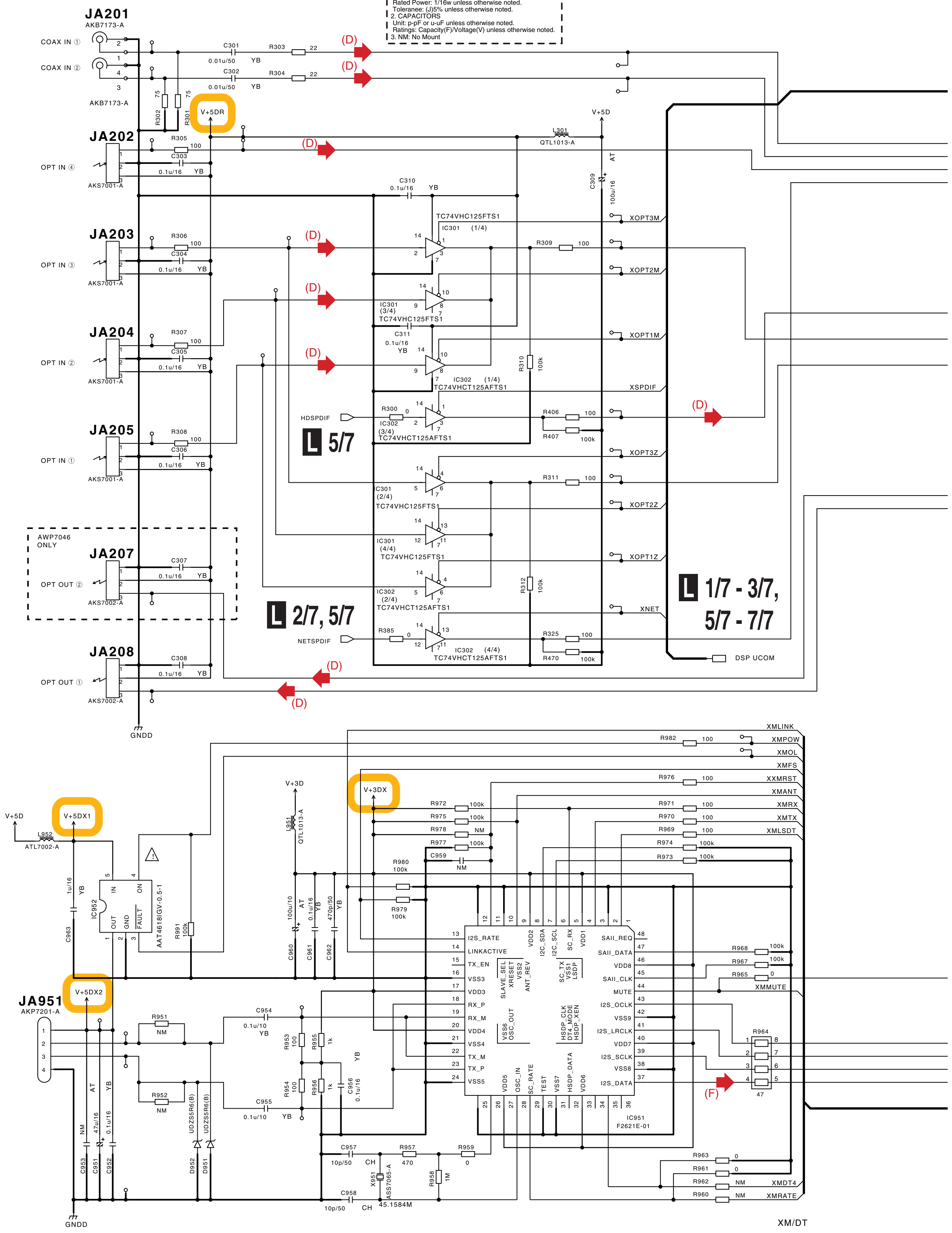
L 3/7 DIGITAL MOTHER ASSY
(VSX-94TXH:AWP7046)
(VSX-92TXH:AWP7052)


L 1/7, 2/7, 7/7
DSP UCOM
L 1/7, 2/7, 4/7 - 7/7
MAIN UCOM
MUTE CONTROL
V+5UM
V+5UM1
V+3DM
XSMUTE
XSPDIF
UNLK
XHDMI
HMUTE
MXMMUTE
XDAMUTE
ZSP
XDSBMUTE
XZSMUTE
XZSPDIF
ZXMMUTE
XDZMUTE
IPRX
IPRX5
IPTX
IPTX5
SRTX
SRTX5
SRRX
SRRX5
LOPOW
MAMUTE
AMUTE
SBMUTE
MRMUTE
V+5US
V-12A
GNDD
GNDU
L 5/7
L 1/7
L 2/7
C223 0.1u/10 YB
C224 0.1u/10 YB
C225 0.1u/10 YB
C122 0.1u/16 YB
C119 470u/6.3 AT
C120 0.1u/16 YB
C121 0.01u/50 YB
IC207 (2/4) TC74VHC125FTS1
IC207 (3/4) TC74VHC125FTS1
IC207 (1/4) TC74VHC125FTS1
IC207 (4/4) TC74VHC125FTS1
IC208 (1/4) TC74VHC02FTS1
IC208 (2/4) TC74VHC02FTS1
IC209 (2/6) TC74VHC04FTS1
IC210 (1/4) TC74VHC125FTS1
IC210 (2/4) TC74VHC125FTS1
IC210 (3/4) TC74VHC125FTS1
IC210 (4/4) TC74VHC125FTS1
IC106 (1/4) TC74VHCT08AFTS1
IC106 (2/4) TC74VHCT08AFTS1
IC106 (3/4) TC74VHCT08AFTS1
IC106 (4/4) TC74VHCT08AFTS1
IC111 (1/4) TC74VHCT08AFTS1
IC111 (2/4) TC74VHCT08AFTS1
IC105 (1/4) TC74VHCT08AFTS1
IC105 (2/4) TC74VHCT08AFTS1
IC105 (3/4) TC74VHCT08AFTS1
R265 100k
R266 100k
R267 100k
R268 100k
R269 100k
R271 47k
R272 2.2k
R273 2.2k
R274 47
R275 100k
R276 100k
R277 47k
R278 1k
R279 100k
R280 1.8k
R281 100
R282 100
R283 100k
R286 NM
R287 100k
R297 100k
R298 100k
R299 100k
Q107 RT1N141M-11
Q108 2SA1602A(EF)
Q109 RT1P431M
Q110 RT1P241M
Q111 RT1P241M
D110 1SS352
DSDD
XSPDIF
UNLK
XTL0
POFF
SITX
SIRX
IPTX
IPRX
XZSPDIF
XZSMUTE
XDSBMUTE
ZSP
XDAMUTE
XHDMI
XDZMUTE
XSMUTE
MAMUTE
LOPOW
L 2/7, 5/7
L 2/7, 4/7
L 2/7
L 1/7
L 3/7

NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

10.14 DIGITAL MOTHER ASSY (4/7)

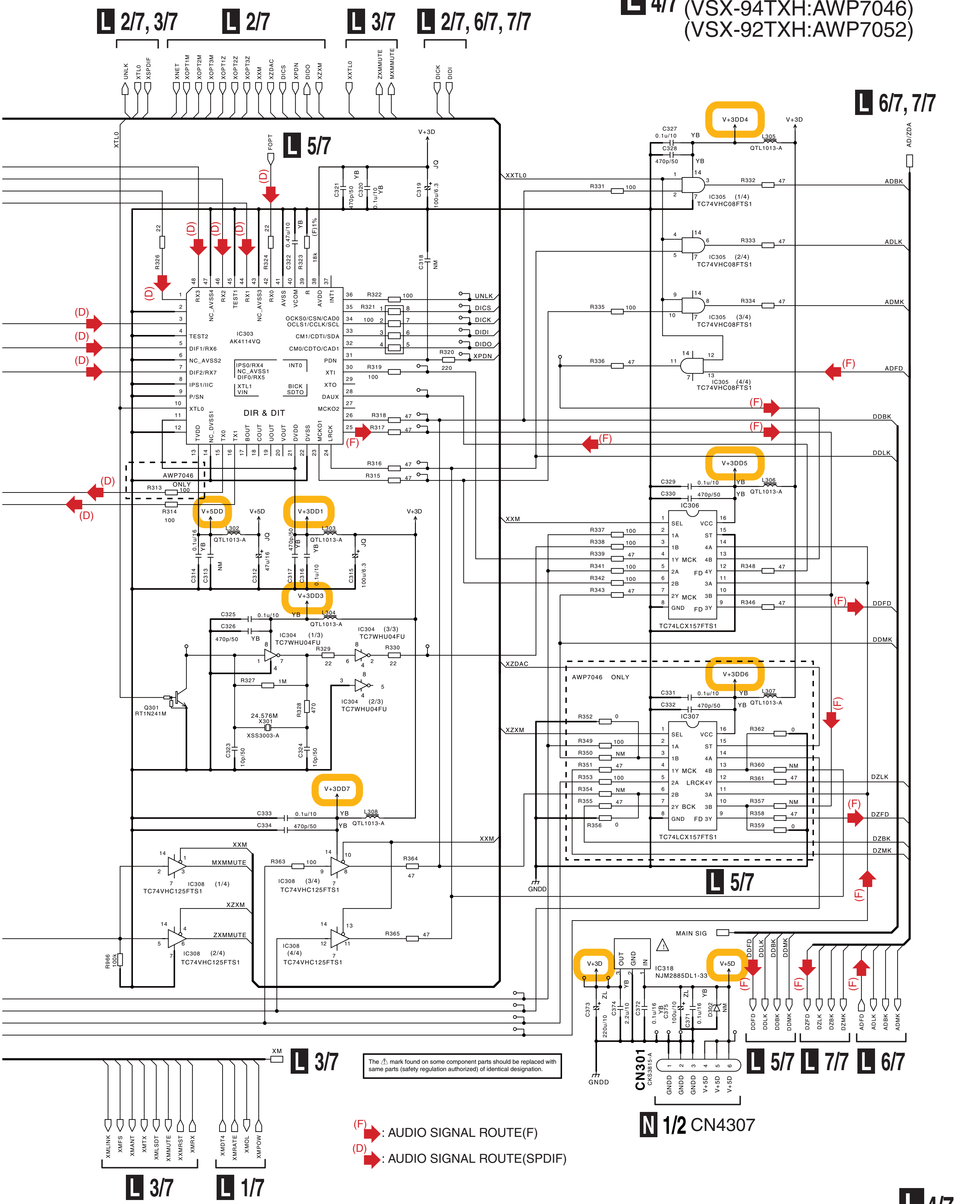
NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Tolerance: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount



JA201
AKB7173-A
COAX IN ①
COAX IN ②
C301 0.01u/50 YB
C302 0.01u/50 YB
R303 22
R304 22
R302 75
R301 75
V+5DR
(D)
JA202
OPT IN ④
AKS7001-A
R305 100
C303 0.1u/16 YB
L301 QTL1013-A
V+5D
C309 100u/16 AT
C310 0.1u/16 YB
JA203
OPT IN ③
R306 100
C304 0.1u/16 YB
TC74VHC125FTS1
IC301 (1/4)
R309 100
XOPT3M
XOPT2M
XOPT1M
XSPDIF
JA204
OPT IN ②
R307 100
C305 0.1u/16 YB
IC301 (3/4)
C311 0.1u/16 YB
IC302 (1/4) TC74VHCT125AFTS1
R310 100k
HDSPDIF
R300 0
IC302 (3/4) TC74VHCT125AFTS1
R406 100
R407 100k
L 5/7
JA205
OPT IN ①
R308 100
C306 0.1u/16 YB
XOPT3Z
R311 100
IC301 (2/4) TC74VHC125FTS1
XOPT2Z
IC301 (4/4) TC74VHC125FTS1
XOPT1Z
AWP7046 ONLY
JA207
OPT OUT ②
AKS7002-A
C307 0.1u/16 YB
IC302 (2/4) TC74VHCT125AFTS1
R312 100k
XNET
L 1/7 - 3/7, 5/7 - 7/7
L 2/7, 5/7
R385 0
NETSPDIF
R325 100
R470 100k
IC302 (4/4) TC74VHCT125AFTS1
DSP UCOM
JA208
OPT OUT ①
C308 0.1u/16 YB
GNDD
XMLINK
R982 100
XMPOW
XMOL
XMFS
R976 100
XXMRST
XMANT
V+3D
V+3DX
R972 100k
R975 100k
R978 NM
R977 100k
C959 NM
R980 100k
R979 100k
R971 100
XMRX
R970 100
XMTX
R969 100
XMLSDT
R974 100k
R973 100k
V+5D
V+5DX1
L952 ATL7002-A
L951 QTL1013-A
IC952 AAT4618IGV-0.5-1
IN ON OUT GND FAULT
R991 100k
C963 1u/16 YB
C960 100u/10 AT
C961 0.1u/16 YB
C962 470p/50 YB
I2S_RATE LINKACTIVE TX_EN VSS3 VDD3 RX_P RX_M VDD4 VSS4 TX_M TX_P VSS5
VDD2 I2C_SDA I2C_SCL SC_RX VDD1
SLAVE_SEL XRESET VSS2 ANT_REV
SC_TX VSS1 LSDP
VSS6 OSC_OUT
HSDP_CLK DT4_MODE HSDP_XEN
VDD5 OSC_IN SC_RATE TEST VSS7 HSDP_DATA VDD6
SAII_REQ SAII_DATA VDD8 SAII_CLK MUTE I2S_OCLK VSS9 I2S_LRCLK VDD7 I2S_SCLK VSS8 I2S_DATA
IC951 F2621E-01
R968 100k
R967 100k
R965 0
XMMUTE
R964 47
(F)
JA951
AKP7201-A
V+5DX2
R951 NM
R952 NM
C954 0.1u/10 YB
C955 0.1u/10 YB
R953 100
R955 1k
R954 100
R956 1k
C956 0.1u/16 YB
D952 UDZS5R6(B)
D951 UDZS5R6(B)
C953 NM
C951 47u/16 AT
C952 0.1u/16 YB
C957 10p/50 CH
R957 470
R959 0
X951 ASS7065-A 45.1584M
R958 1M
C958 10p/50 CH
R963 0
R961 0
R962 NM
R960 NM
XMDT4
XMRATE
XM/DT
GNDD

L 4/7

L 4/7 DIGITAL MOTHER ASSY
(VSX-94TXH:AWP7046)
(VSX-92TXH:AWP7052)

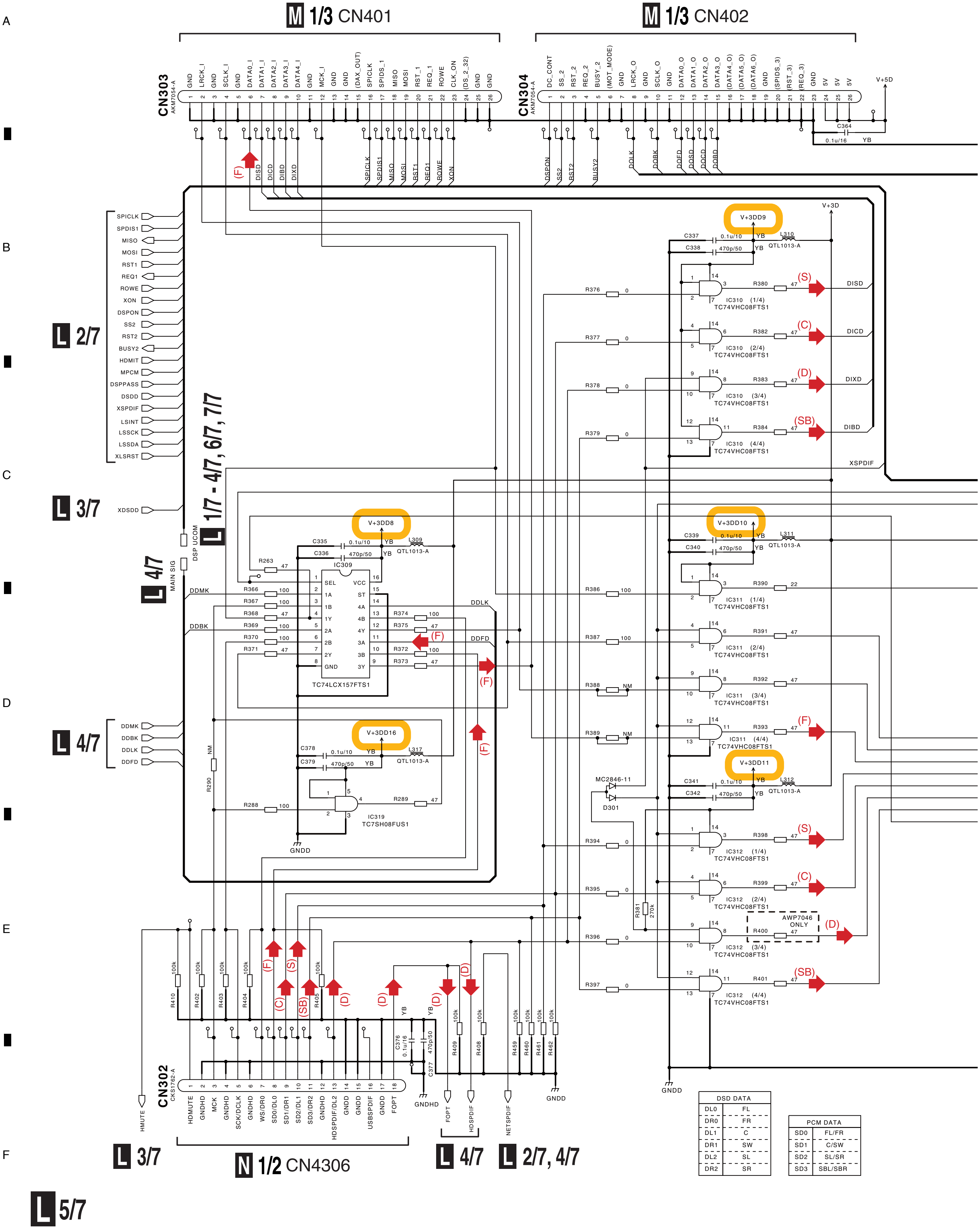

L 2/7, 3/7
L 2/7
L 3/7
L 2/7, 6/7, 7/7
UNLK XTL0 XSPDIF
XNET XOPT1M XOPT2M XOPT3M XOPT1Z XOPT2Z XOPT3Z XXM XZDAC DICS XPDN DIDO XZXM
XXTL0
ZXMMUTE MXMMUTE
DICK DIDI
L 5/7
FOPT
L 6/7, 7/7
V+3DD4
V+3D
AD/ZDA
IC303 AK4114VQ
DIR & DIT
IC305 TC74VHC08FTS1
ADBK ADLK ADMK ADFD
DDBK DDLK DDFD DDMK
V+5DD V+5D V+3DD1 V+3DD3 V+3DD5 V+3DD6 V+3DD7
IC306 TC74LCX157FTS1
IC307 TC74LCX157FTS1
AWP7046 ONLY
IC304 TC7WHU04FU
X301 24.576M XSS3003-A
Q301 RT1N241M
IC308 TC74VHC125FTS1
DZLK DZFD DZBK DZMK
L 5/7
MAIN SIG
IC318 NJM2885DL1-33
CN301 CKS3815-A
GNDD GNDD GNDD V+5D V+5D V+5D
L 5/7 L 7/7 L 6/7
N 1/2 CN4307
XM
L 3/7
XMLINK XMFS XMANT XMTX XMLSDT XMMUTE XXMRST XMRX
XMDT4 XMRATE XMOL XMPOW
L 3/7 L 1/7

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

(F) ➡ : AUDIO SIGNAL ROUTE(F)

(D) ➡ : AUDIO SIGNAL ROUTE(SPDIF)

10.15 DIGITAL MOTHER ASSY (5/7)

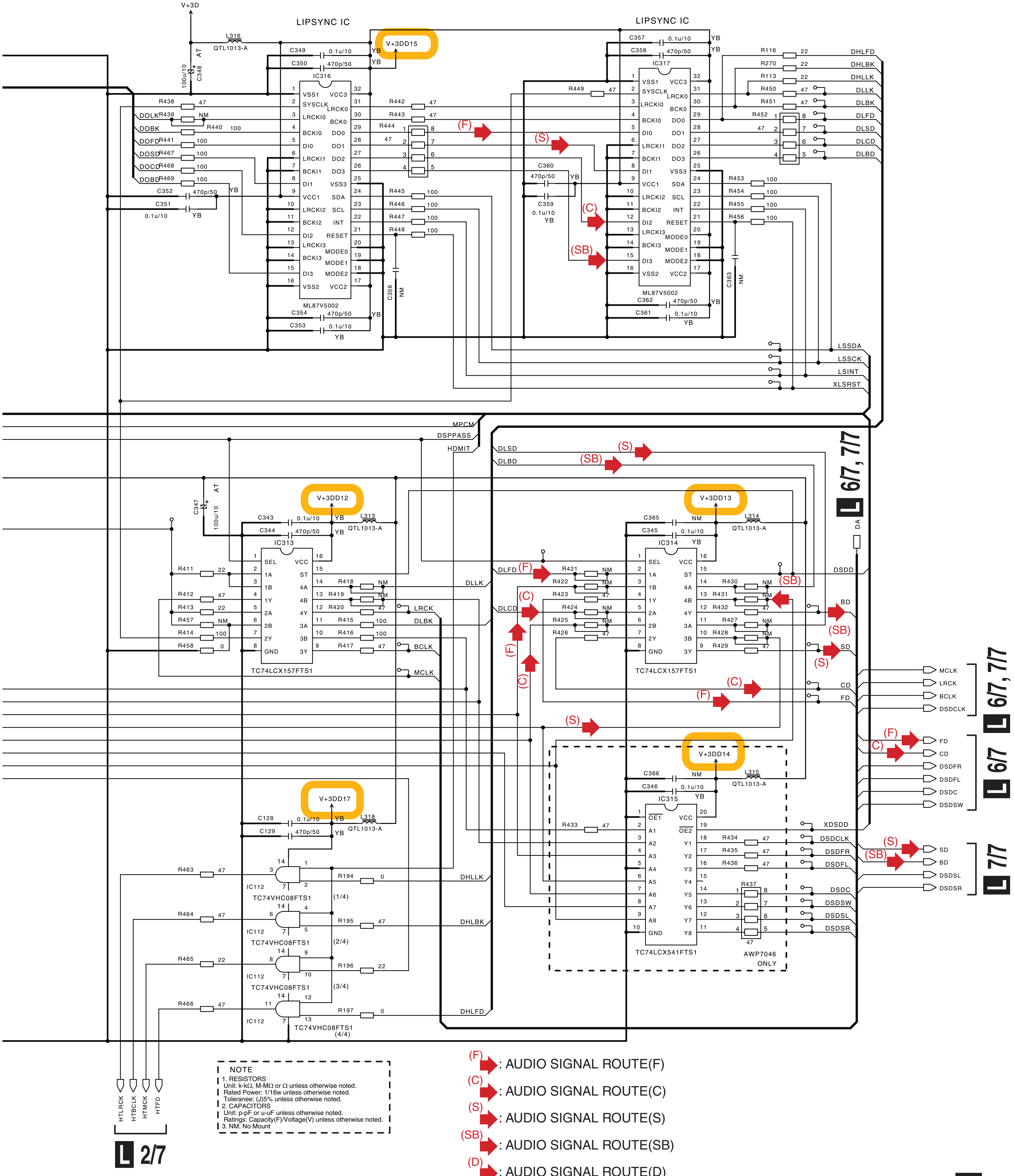

M 1/3 CN401
M 1/3 CN402
CN303
AKM7054-A
CN304
AKM7054-A
GND
LRCK_I
SCLK_I
DATA0_I
DATA1_I
DATA2_I
DATA3_I
DATA4_I
MCK_I
(DAX_OUT)
SPCLK
SPDIS_1
MISO
MOSI
RST_1
REQ_1
ROWE
CLK_ON
(DS_2_32)
DC_CONT
SS_2
RST_2
REQ_2
BUSY_2
(MOT_MODE)
LRCK_O
SCLK_O
DATA0_O
DATA1_O
DATA2_O
DATA3_O
(DATA4_O)
(DATA5_O)
(DATA6_O)
(SPDS_3)
(RST_3)
(REQ_3)
5V
V+5D
C364
0.1u/16
YB
DISD
DICD
DIBD
DIXD
SPICLK
SPDIS1
XON
DSPON
SS2
RST2
BUSY2
DOLK
DOBK
DOFD
DOSD
DOCD
DOBD
L 2/7
SPICLK
SPDIS1
MISO
MOSI
RST1
REQ1
ROWE
XON
DSPON
SS2
RST2
BUSY2
HDMIT
MPCM
DSPPASS
DSDD
XSPDIF
LSINT
LSSCK
LSSDA
XLSRST
L 3/7
XDSDD
L 1/7 - 4/7, 6/7, 7/7
DSP UCOM
L 4/7
MAIN SIG
DDMK
DDBK
DDLK
DDFD
L 4/7
DDMK
DDBK
DDLK
DDFD
V+3DD9
V+3DD8
V+3DD10
V+3DD16
V+3DD11
V+3D
C337 0.1u/10
C338 470p/50
L310 QTL1013-A
C335 0.1u/10
C336 470p/50
L309 QTL1013-A
C339 0.1u/10
C340 470p/50
L311 QTL1013-A
C341 0.1u/10
C342 470p/50
L312 QTL1013-A
C378 0.1u/10
C379 470p/50
L317 QTL1013-A
IC309
TC74LCX157FTS1
SEL VCC
1A ST
1B 4A
1Y 4B
2A 4Y
2B 3A
2Y 3B
GND 3Y
R263 47
R366 100
R367 100
R368 47
R369 100
R370 100
R371 47
R374 100
R375 47
R372 100
R373 47
IC319
TC7SH08FUS1
R288 100
R289 47
R290 NM
GNDD
IC310 (1/4) TC74VHC08FTS1
IC310 (2/4) TC74VHC08FTS1
IC310 (3/4) TC74VHC08FTS1
IC310 (4/4) TC74VHC08FTS1
IC311 (1/4) TC74VHC08FTS1
IC311 (2/4) TC74VHC08FTS1
IC311 (3/4) TC74VHC08FTS1
IC311 (4/4) TC74VHC08FTS1
IC312 (1/4) TC74VHC08FTS1
IC312 (2/4) TC74VHC08FTS1
IC312 (3/4) TC74VHC08FTS1
IC312 (4/4) TC74VHC08FTS1
R376 0
R377 0
R378 0
R379 0
R380 47
R382 47
R383 47
R384 47
R386 100
R387 100
R388 NM
R389 NM
R390 22
R391 47
R392 47
R393 47
R394 0
R395 0
R396 0
R397 0
R398 47
R399 47
R400 47
R401 47
R381 270k
AWP7046 ONLY
MC2846-11
D301
(S)
(C)
(D)
(SB)
(F)
DISD
DICD
DIXD
DIBD
XSPDIF
CN302
CKS1762-A
HDMUTE
GNDHD
MCK
SCK/DCLK
WS/DR0
SD0/DL0
SD1/DR1
SD2/DL1
SD3/DR2
HDSPDIF/DL2
GNDD
USBSPDIF
FOPT
R410 100k
R402 100k
R403 100k
R404 100k
R405 100k
C376 0.1u/16
C377 470p/50
R409 100k
R408 100k
R459 100k
R460 100k
R461 100k
R462 100k
GNDHD
GNDD
HMUTE
HDSPDIF
NETSPDIF
L 3/7
N 1/2 CN4306
L 4/7
L 2/7, 4/7
1
2
3
4
A
B
C
D
E
F

DSD DATA	
DL0	FL
DR0	FR
DL1	C
DR1	SW
DL2	SL
DR2	SR

PCM DATA	
SD0	FL/FR
SD1	C/SW
SD2	SL/SR
SD3	SBL/SBR

L 5/7

L 5/7 DIGITAL MOTHER ASSY
(VSX-94TXH:AWP7046)
(VSX-92TXH:AWP7052)

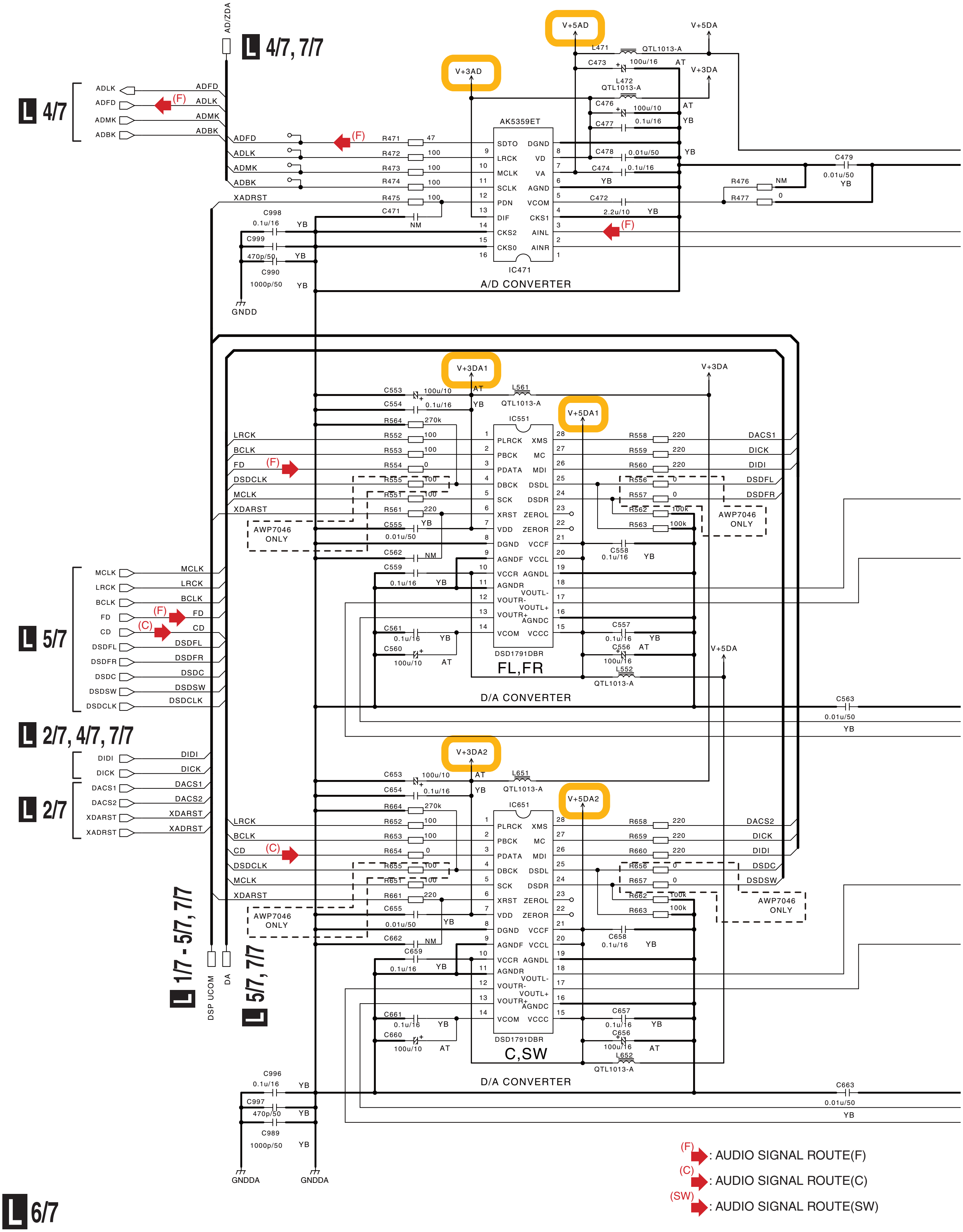


LIPSYNC IC
LIPSYNC IC
V+3D
L316
QTL1013-A
C348
100u/10
AT
C349 0.1u/10
C350 470p/50
V+3DD15
IC316
ML87V5002
C354 470p/50
C353 0.1u/10
C352 470p/50
C351 0.1u/10
C356 NM
R438 47
R439 NM
R440 100
R441 100
R467 100
R468 100
R469 100
R442 47
R443 47
R444
R445 100
R446 100
R447 100
R448 100
DOLK
DOBK
DOFD
DOSD
DOCD
DOBD
VSS1 VCC3
SYSCLK LRCK0
LRCKI0 BCK0
BCKI0 DO0
DI0 DO1
LRCKI1 DO2
BCKI1 DO3
DI1 VSS3
VCC1 SDA
LRCKI2 SCL
BCKI2 INT
DI2 RESET
LRCKI3 MODE0
BCKI3 MODE1
DI3 MODE2
VSS2 VCC2
IC317
C357 0.1u/10
C358 470p/50
C360 470p/50
C359 0.1u/10
C362 470p/50
C361 0.1u/10
C363 NM
R449 47
R116 22 DHLFD
R270 22 DHLBK
R113 22 DHLLK
R450 47 DLLK
R451 47 DLBK
R452 DLFD
DLSD
DLCD
DLBD
R453 100
R454 100
R455 100
R456 100
LSSDA
LSSCK
LSINT
XLSRST
MPCM
DSPPASS
HDMIT
DLSD
DLBD
L 6/7, 7/7
V+3DD12
C347 100u/10 AT
C343 0.1u/10
C344 470p/50
L313 QTL1013-A
IC313
TC74LCX157FTS1
SEL VCC
1A ST
1B 4A
1Y 4B
2A 4Y
2B 3A
2Y 3B
GND 3Y
R411 22
R412 47
R413 22
R457 NM
R414 100
R458 0
R418 NM
R419 NM
R420 47
R415 100
R416 100
R417 47
DLLK
LRCK
DLBK
BCLK
MCLK
V+3DD13
C365 NM
C345 0.1u/10
L314 QTL1013-A
IC314
TC74LCX157FTS1
DLFD
DLCD
R421 NM
R422 NM
R423 47
R424 NM
R425 NM
R426 47
R430 NM
R431 NM
R432 47
R427 NM
R428 NM
R429 47
DSDD
BD
SD
CD
FD
DA
MCLK
LRCK
BCLK
DSDCLK
L 6/7, 7/7
FD
CD
DSDFR
DSDFL
DSDC
DSDSW
L 6/7
SD
BD
DSDSL
DSDSR
L 7/7
V+3DD14
C366 NM
C346 0.1u/10
L315 QTL1013-A
IC315
TC74LCX541FTS1
OE1 VCC
A1 OE2
A2 Y1
A3 Y2
A4 Y3
A5 Y4
A6 Y5
A7 Y6
A8 Y7
GND Y8
R433 47
R434 47
R435 47
R436 47
R437 47
XDSDD
DSDCLK
DSDFR
DSDFL
DSDC
DSDSW
DSDSL
DSDSR
AWP7046 ONLY
V+3DD17
C128 0.1u/10
C129 470p/50
L318 QTL1013-A
IC112
TC74VHC08FTS1
(1/4)
(2/4)
(3/4)
TC74VHC08FTS1 (4/4)
R463 47
R464 47
R465 22
R466 47
R194 0 DHLLK
R195 47 DHLBK
R196 22
R197 0 DHLFD
HTLRCK
HTBCLK
HTMCK
HTFD
L 2/7
(F)
(C)
(S)
(SB)

NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Tolerance: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

(F) ➡ : AUDIO SIGNAL ROUTE(F)
(C) ➡ : AUDIO SIGNAL ROUTE(C)
(S) ➡ : AUDIO SIGNAL ROUTE(S)
(SB) ➡ : AUDIO SIGNAL ROUTE(SB)
(D) ➡ : AUDIO SIGNAL ROUTE(D)

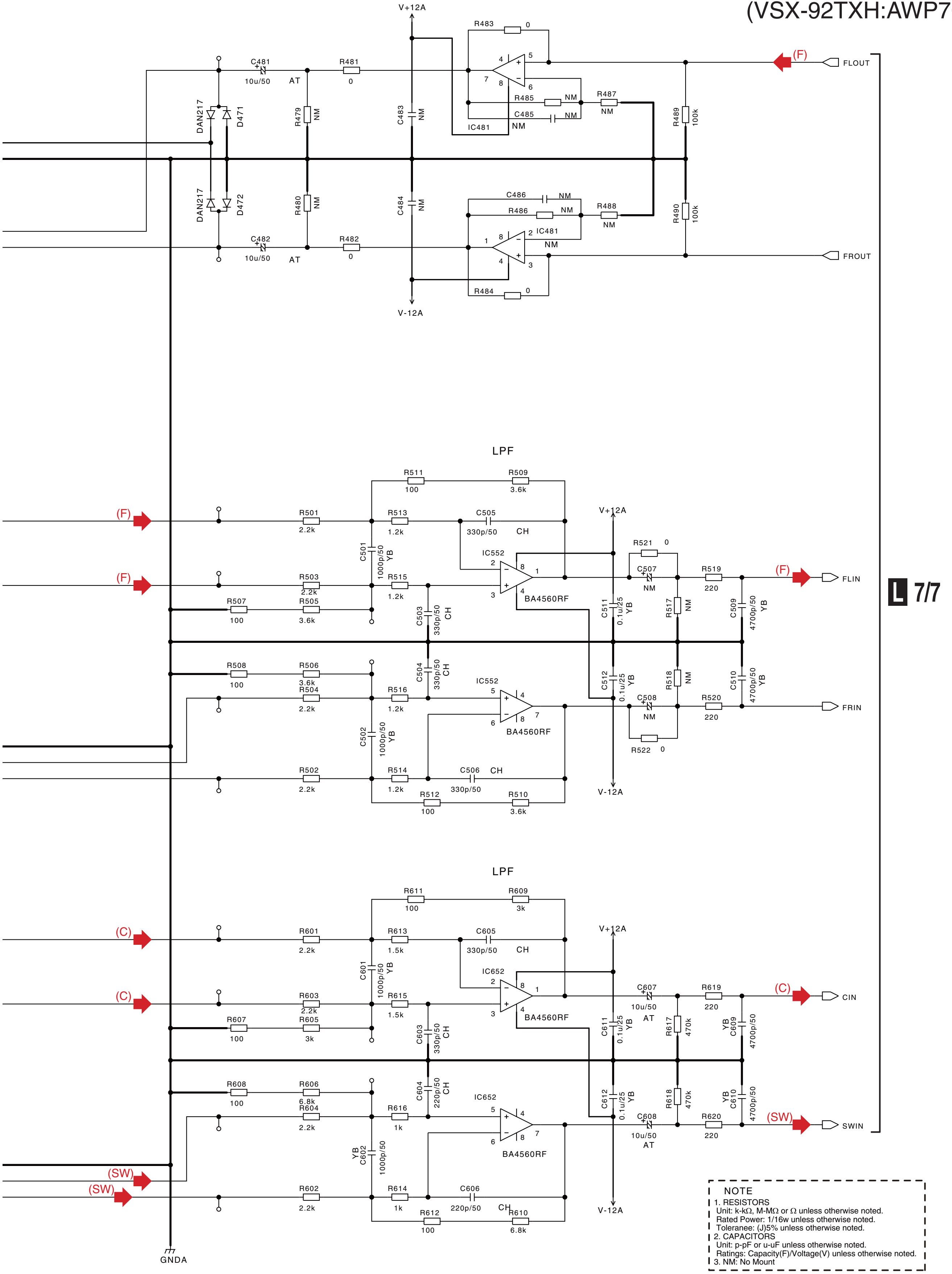
10.16 DIGITAL MOTHER ASSY (6/7)



AD/ZDA
4/7, 7/7
4/7
ADLK
ADFD
ADMK
ADBK
(F)
V+5AD
V+5DA
V+3AD
V+3DA
L471 QTL1013-A
C473 100u/16 AT
L472 QTL1013-A
C476 100u/10 AT
C477 0.1u/16 YB
C478 0.01u/50 YB
C474 0.1u/16 YB
C472 2.2u/10 YB
C479 0.01u/50 YB
R476 NM
R477 0
AK5359ET
SDTO DGND
LRCK VD
MCLK VA
SCLK AGND
PDN VCOM
DIF CKS1
CKS2 AINL
CKS0 AINR
IC471
A/D CONVERTER
XADRST
R471 47
R472 100
R473 100
R474 100
R475 100
C471 NM
C998 0.1u/16 YB
C999 470p/50 YB
C990 1000p/50 YB
GNDD
V+3DA1
V+5DA1
C553 100u/10 AT
C554 0.1u/16 YB
L561 QTL1013-A
IC551
R564 270k
R552 100
R553 100
R554 0
R555 100
R551 100
R561 220
C555 0.01u/50 YB
C562 NM
C559 0.1u/16 YB
C561 0.1u/16 YB
C560 100u/10 AT
AWP7046 ONLY
LRCK
BCLK
FD
DSDCLK
MCLK
XADRST
PLRCK XMS
PBCK MC
PDATA MDI
DBCK DSDL
SCK DSDR
XRST ZEROL
VDD ZEROR
DGND VCCF
AGNDF VCCL
VCCR AGNDL
AGNDR
VOUTR- VOUTL-
VOUTR+ VOUTL+
AGNDC
VCOM VCCC
DSD1791DBR
FL,FR
D/A CONVERTER
R558 220 DACS1
R559 220 DICK
R560 220 DIDI
R556 0 DSDFL
R557 0 DSDFR
R562 100k
R563 100k
C558 0.1u/16 YB
C557 0.1u/16 YB
C556 100u/16 AT
L552 QTL1013-A
V+5DA
C563 0.01u/50 YB
5/7
MCLK
LRCK
BCLK
FD
CD
DSDFL
DSDFR
DSDC
DSDSW
DSDCLK
(C)
2/7, 4/7, 7/7
DIDI
DICK
2/7
DACS1
DACS2
XDARST
V+3DA2
V+5DA2
C653 100u/10 AT
C654 0.1u/16 YB
L651 QTL1013-A
IC651
R664 270k
R652 100
R653 100
R654 0
R655 100
R651 100
R661 220
C655 0.01u/50 YB
C662 NM
C659 0.1u/16 YB
C661 0.1u/16 YB
C660 100u/10 AT
CD
R658 220 DACS2
R659 220 DICK
R660 220 DIDI
R656 0 DSDC
R657 0 DSDSW
R662 100k
R663 100k
C658 0.1u/16 YB
C657 0.1u/16 YB
C656 100u/16 AT
L652 QTL1013-A
C,SW
C663 0.01u/50 YB
C996 0.1u/16 YB
C997 470p/50 YB
C989 1000p/50 YB
GNDDA
1/7 - 5/7, 7/7
DSP UCOM
DA
5/7, 7/7
6/7

(F) : AUDIO SIGNAL ROUTE(F)
(C) : AUDIO SIGNAL ROUTE(C)
(SW) : AUDIO SIGNAL ROUTE(SW)

L 6/7 DIGITAL MOTHER ASSY
(VSX-94TXH:AWP7046)
(VSX-92TXH:AWP7052)

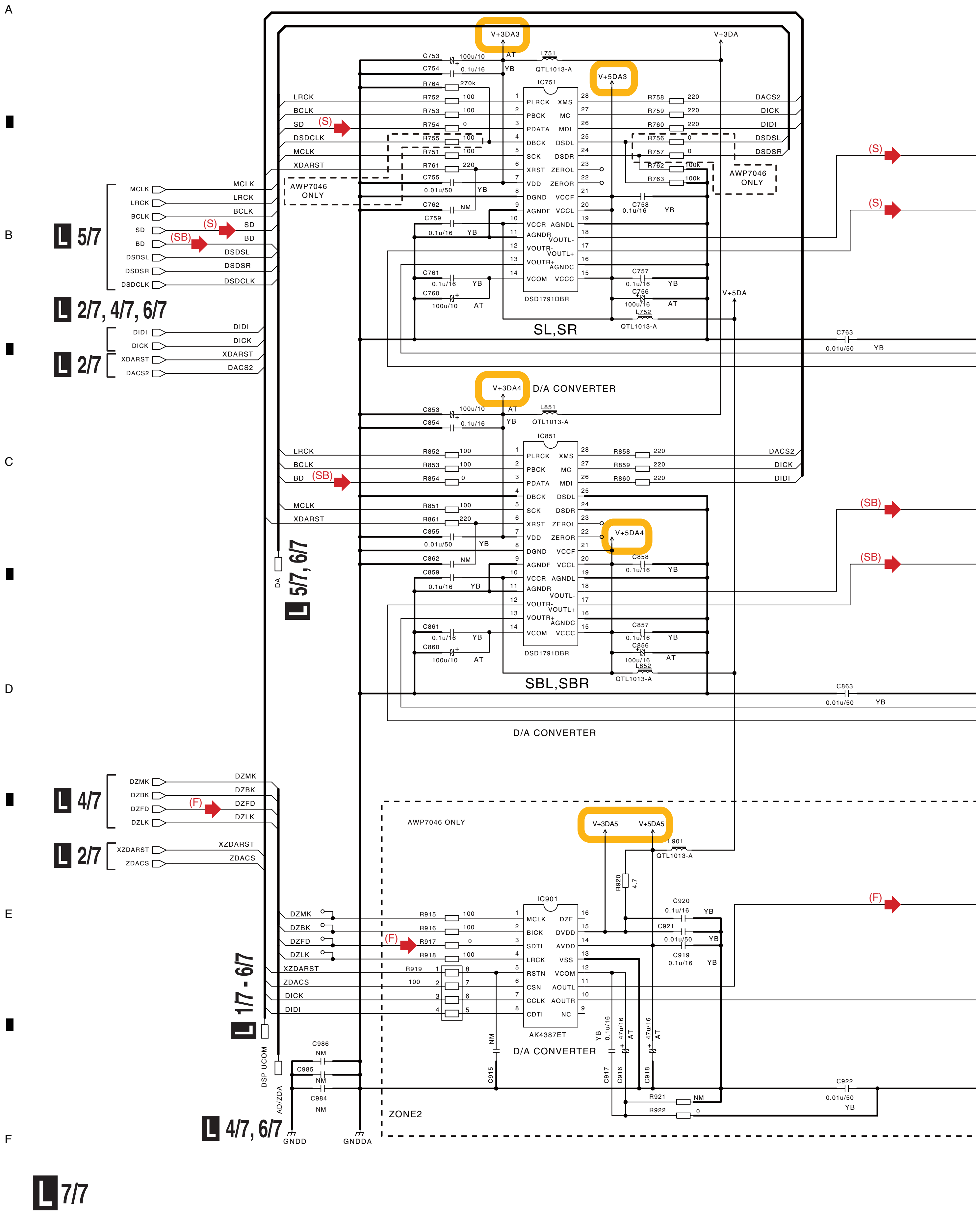


V+12A
R483 0
C481 10u/50 AT
R481 0
4 5 7 8 6
R485 NM
C485 NM
IC481 NM
R487 NM
(F)
FLOUT
R489 100k
DAN217
D471
R479 NM
C483 NM
DAN217
D472
R480 NM
C484 NM
C486 NM
R486 NM
R488 NM
R490 100k
C482 10u/50 AT
R482 0
1 8 2 IC481 NM 4 3
FROUT
R484 0
V-12A
LPF
R511 100
R509 3.6k
(F)
R501 2.2k
R513 1.2k
C505 330p/50 CH
V+12A
R521 0
C501 1000p/50 YB
IC552
(F)
R503 2.2k
R515 1.2k
C507 NM
R519 220
(F)
FLIN
BA4560RF
R507 100
R505 3.6k
C503 330p/50 CH
C511 0.1u/25 YB
R517 NM
C509 4700p/50 YB
L 7/7
R508 100
R506 3.6k
R504 2.2k
C504 330p/50 CH
IC552
R516 1.2k
C512 0.1u/25 YB
C508 NM
R518 NM
R520 220
C510 4700p/50 YB
FRIN
C502 1000p/50 YB
BA4560RF
R522 0
R502 2.2k
R514 1.2k
C506 330p/50 CH
R512 100
R510 3.6k
V-12A
LPF
R611 100
R609 3k
(C)
R601 2.2k
R613 1.5k
C605 330p/50 CH
V+12A
C601 1000p/50 YB
IC652
(C)
R603 2.2k
R615 1.5k
C607 10u/50 AT
R619 220
(C)
CIN
BA4560RF
R607 100
R605 3k
C603 330p/50 CH
C611 0.1u/25 YB
R617 470k
C609 4700p/50 YB
R608 100
R606 6.8k
R604 2.2k
C604 220p/50 CH
IC652
R616 1k
C612 0.1u/25 YB
C608 10u/50 AT
R618 470k
R620 220
C610 4700p/50 YB
(SW)
SWIN
C602 1000p/50 YB
BA4560RF
(SW)
(SW)
R602 2.2k
R614 1k
C606 220p/50 CH
R612 100
R610 6.8k
V-12A
GNDA

NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

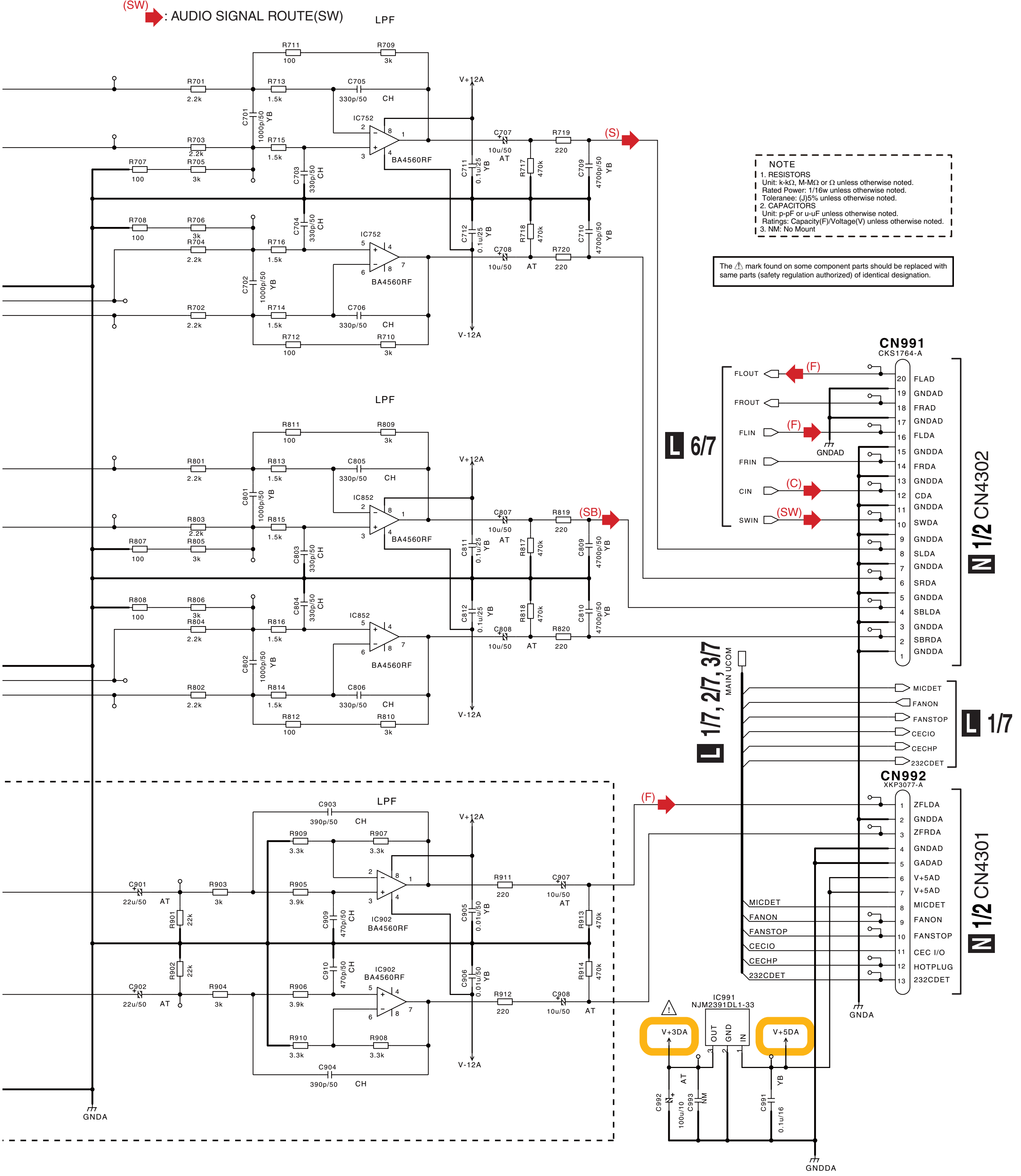
L 6/7

10.17 DIGITAL MOTHER ASSY (7/7)


A
B
C
D
E
F
V+3DA3
V+3DA
V+5DA3
C753 100u/10 AT
C754 0.1u/16 YB
L751 QTL1013-A
IC751
R764 270k
LRCK R752 100
BCLK R753 100
SD (S) R754 0
DSDCLK R755 100
MCLK R751 100
XDARST R761 220
C755 0.01u/50 YB
C762 NM
C759 0.1u/16 YB
C761 0.1u/16 YB
C760 100u/10 AT
PLRCK XMS
PBCK MC
PDATA MDI
DBCK DSDL
SCK DSDR
XRST ZEROL
VDD ZEROR
DGND VCCF
AGNDF VCCL
VCCR AGNDL
AGNDR VOUTL-
VOUTR- VOUTL+
VOUTR+ AGNDC
VCOM VCCC
DSD1791DBR
R758 220 DACS2
R759 220 DICK
R760 220 DIDI
R756 0 DSDSL
R757 0 DSDSR
R762 100k
R763 100k
AWP7046 ONLY
C758 0.1u/16 YB
C757 0.1u/16 YB
C756 100u/16 AT
L752 QTL1013-A
V+5DA
SL,SR
C763 0.01u/50 YB
(S)
(S)
L 5/7
MCLK LRCK BCLK SD BD DSDSL DSDSR DSDCLK
(S) (SB)
L 2/7, 4/7, 6/7
DIDI DICK
L 2/7
XDARST DACS2
V+3DA4 D/A CONVERTER
C853 100u/10 AT
C854 0.1u/16 YB
L851 QTL1013-A
IC851
LRCK R852 100
BCLK R853 100
BD (SB) R854 0
MCLK R851 100
XDARST R861 220
C855 0.01u/50 YB
C862 NM
C859 0.1u/16 YB
C861 0.1u/16 YB
C860 100u/10 AT
R858 220 DACS2
R859 220 DICK
R860 220 DIDI
V+5DA4
C858 0.1u/16 YB
C857 0.1u/16 YB
C856 100u/16 AT
L852 QTL1013-A
DSD1791DBR
SBL,SBR
C863 0.01u/50 YB
(SB)
(SB)
DA
L 5/7, 6/7
D/A CONVERTER
L 4/7
DZMK DZBK DZFD DZLK
(F)
L 2/7
XZDARST ZDACS
AWP7046 ONLY
V+3DA5 V+5DA5
L901 QTL1013-A
R920 4.7
IC901
DZMK R915 100
DZBK R916 100
DZFD (F) R917 0
DZLK R918 100
XZDARST R919 100
ZDACS
DICK
DIDI
MCLK DZF
BICK DVDD
SDTI AVDD
LRCK VSS
RSTN VCOM
CSN AOUTL
CCLK AOUTR
CDTI NC
AK4387ET
D/A CONVERTER
C920 0.1u/16 YB
C921 0.01u/50 YB
C919 0.1u/16 YB
(F)
C915 NM
C917 YB 0.1u/16
C916 47u/16 AT
C918 47u/16 AT
R921 NM
R922 0
C922 0.01u/50 YB
ZONE2
L 1/7 - 6/7
DSP UCOM
AD/ZDA
C986 NM
C985 NM
C984 NM
L 4/7, 6/7
GNDD GNDDA
L 7/7

L 7/7 DIGITAL MOTHER ASSY (VSX-94TXH:AWP7046) (VSX-92TXH:AWP7052)

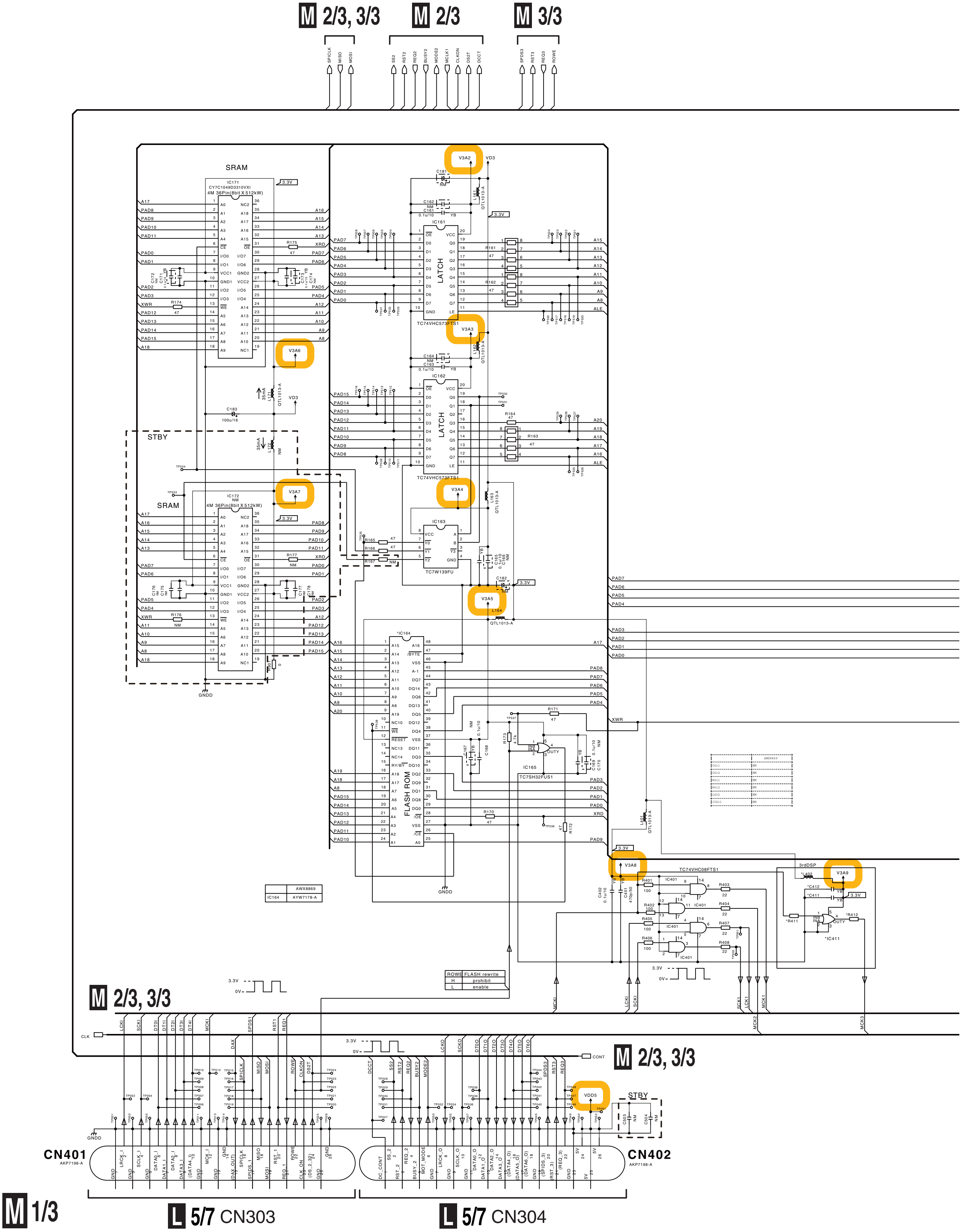
(F) : AUDIO SIGNAL ROUTE(F)
(S) : AUDIO SIGNAL ROUTE(S)
(SB) : AUDIO SIGNAL ROUTE(SB)
(SW) : AUDIO SIGNAL ROUTE(SW)


LPF
R711 100
R709 3k
R701 2.2k
R713 1.5k
C705 330p/50 CH
V+12A
C701 1000p/50 YB
IC752
BA4560RF
R703 2.2k
R715 1.5k
C707 10u/50 AT
R719 220
(S)
R707 100
R705 3k
C703 330p/50 CH
C711 0.1u/25 YB
R717 470k
C709 4700p/50 YB
R708 100
R706 3k
R704 2.2k
C704 330p/50 CH
R716 1.5k
C712 0.1u/25 YB
R718 470k
C710 4700p/50 YB
C708 10u/50 AT
R720 220
C702 1000p/50 YB
R702 2.2k
R714 1.5k
C706 330p/50 CH
R712 100
R710 3k
V-12A
LPF
R811 100
R809 3k
R801 2.2k
R813 1.5k
C805 330p/50 CH
V+12A
C801 1000p/50 YB
IC852
BA4560RF
R803 2.2k
R815 1.5k
C807 10u/50 AT
R819 220
(SB)
R807 100
R805 3k
C803 330p/50 CH
C811 0.1u/25 YB
R817 470k
C809 4700p/50 YB
R808 100
R806 3k
R804 2.2k
C804 330p/50 CH
R816 1.5k
C812 0.1u/25 YB
R818 470k
C810 4700p/50 YB
C808 10u/50 AT
R820 220
C802 1000p/50 YB
R802 2.2k
R814 1.5k
C806 330p/50 CH
R812 100
R810 3k
V-12A
LPF
C903 390p/50 CH
V+12A
R909 3.3k
R907 3.3k
C901 22u/50 AT
R903 3k
R905 3.9k
R911 220
C907 10u/50 AT
(F)
R901 22k
C909 470p/50 CH
IC902 BA4560RF
C905 0.01u/50 YB
R913 470k
R902 22k
C910 470p/50 CH
IC902 BA4560RF
C906 0.01u/50 YB
R914 470k
C902 22u/50 AT
R904 3k
R906 3.9k
R912 220
C908 10u/50 AT
R910 3.3k
R908 3.3k
C904 390p/50 CH
V-12A
GNDA
CN991
CKS1764-A
FLOUT
FROUT
FLIN
FRIN
CIN
SWIN
(F)
(F)
(C)
(SW)
GNDAD
L 6/7
20 FLAD
19 GNDAD
18 FRAD
17 GNDAD
16 FLDA
15 GNDDA
14 FRDA
13 GNDDA
12 CDA
11 GNDDA
10 SWDA
9 GNDDA
8 SLDA
7 GNDDA
6 SRDA
5 GNDDA
4 SBLDA
3 GNDDA
2 SBRDA
1 GNDDA
N 1/2 CN4302
L 1/7, 2/7, 3/7
MAIN UCOM
MICDET
FANON
FANSTOP
CECIO
CECHP
232CDET
L 1/7
CN992
XKP3077-A
1 ZFLDA
2 GNDDA
3 ZFRDA
4 GNDAD
5 GADAD
6 V+5AD
7 V+5AD
8 MICDET
9 FANON
10 FANSTOP
11 CEC I/O
12 HOTPLUG
13 232CDET
N 1/2 CN4301
GNDA
IC991
NJM2391DL1-33
V+3DA
OUT GND IN
V+5DA
C992 100u/10 AT
C993 NM
C991 0.1u/16 YB
GNDDA

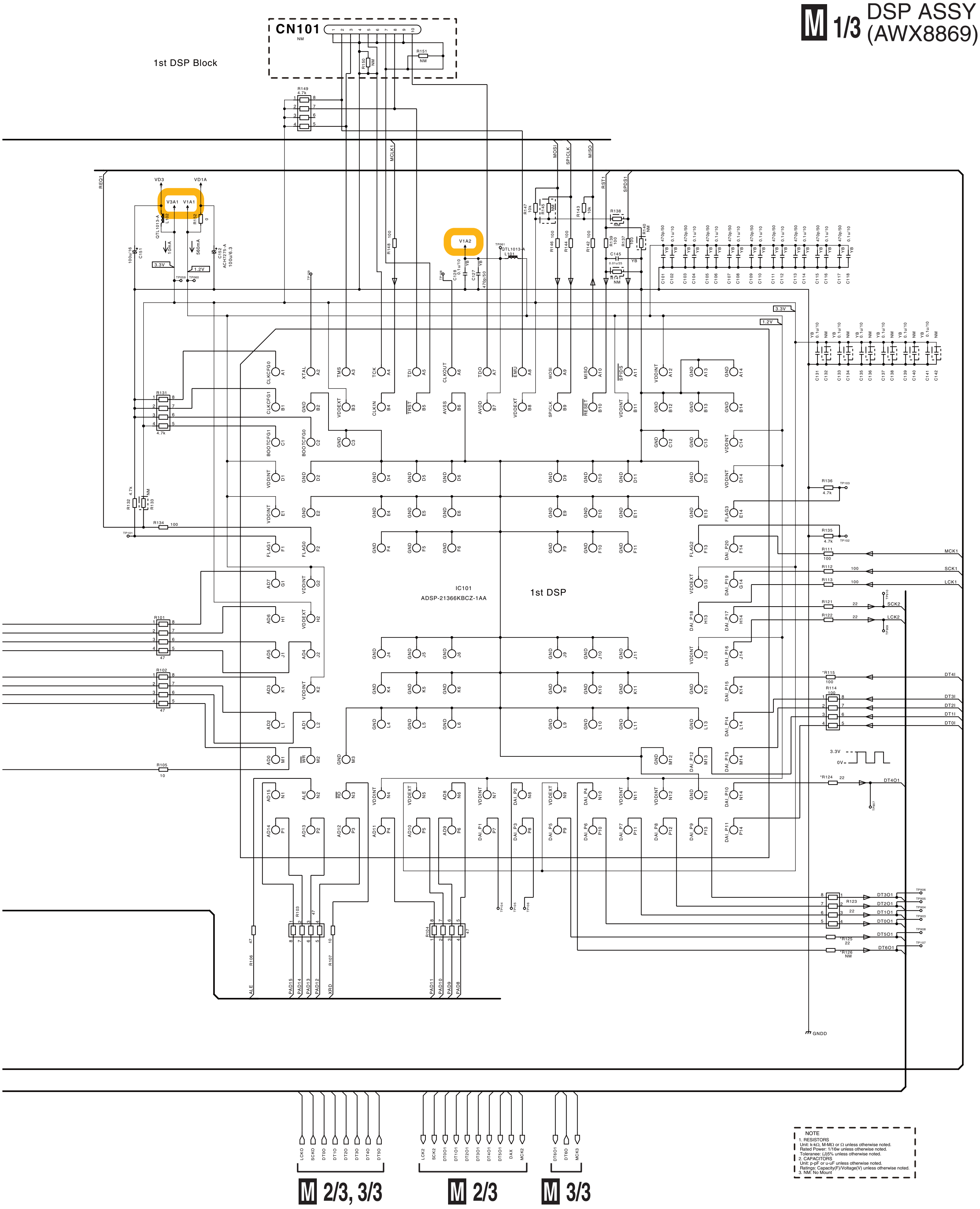
NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

10.18 DSP ASSY (1/3)


A
B
C
D
E
F
M 2/3, 3/3
M 2/3
M 3/3
SPICLK
MISO
MOSI
SS2
RST2
REQ2
BUSY2
MODE2
MCLK1
CLKON
DS2T
DCCT
SPDS3
RST3
REQ3
ROWE
SRAM
IC171
CY7C1049D3310VXI
4M 36Pin(8bit X 512kW)
3.3V
R175 47
R174 47
V3A6
V3A2
VD3
C181 NM
L161 QTL1013-A
C162 NM
C161 0.1u/10
YB
IC161
LATCH
TC74VHC573FTS1
R161 47
R162 47
V3A3
C164 NM
C163 0.1u/10
IC162
TC74VHC573FTS1
R164 47
R163 47
L171 QTL1013-A
C183 100u/16
STBY
L172 NM
IC172 NM
SRAM
4M 36Pin(8bit X 512kW)
V3A7
R177 NM
R176 NM
V3A4
L163 QTL1013-A
IC163
TC7W139FU
R165 47
R166 47
R167 NM
C165 0.1u/10
C166 NM
C182 NM
V3A5
L164 QTL1013-A
*IC164
FLASH ROM
GNDD
R171 47
R173 4.7k
C168 NM
C167 0.1u/10
IC165
TC7SH32FUS1
C169 0.1u/10
C170 NM
R170 47
R172 47
L401 QTL1013-A
| AWX8869 |
| IC164 AYW7178-A |
V3A8
C402 0.1u/10
C401 470p/50
TC74VHC08FTS1
IC401
R401 100
R402 100
R403 22
R404 22
R405 100
R406 100
R407 22
R408 22
3rdDSP
*L402
V3A9
*C412
*C411
*R411
*R412
*IC411
ROWE	FLASH rewrite
H	prohibit
L	enable
3.3V
0V
MCKI
LRCKI
SCKI
SCK1
LRCK1
MCK1
MCK2
MCK3
CLK
LCKI
SCKI
DT0I
DT1I
DT2I
DT3I
DT4I
MCKI
SPDS1
RST1
REQ1
DAX
LCKO
SCKO
DT0O
DT1O
DT2O
DT3O
DT4O
DT5O
DT6O
CONT
M 2/3, 3/3
STBY
C503 NM
C504 NM
VDD5
CN401
AKP7198-A
CN402
AKP7198-A
GNDD
M 1/3
L 5/7 CN303
L 5/7 CN304

M 1/3 DSP ASSY (AWX8869)


CN101
NM
1st DSP Block
R150 NM
R151 NM
R149 4.7k
MCLK1
MOSI
SPICLK
MISO
RST1
SPDS1
REQ1
VD3
VD1A
V3A1
V1A1
V1A2
QTL1013-A L102
R102 0
10mA
560mA
100u/16 C151
C152 ACH7275-A 100u/6.3
3.3V
1.2V
TP059
TP060
TP061
QTL1013-A L101
C128 0.1u/10
C127 470p/50
YB
R147 10k
R145 NM
R143 10k
R138 NM
R140 NM
R139 100
R137 NM
R141 NM
C145 0.01u/25
R148 100
R146 100
R144 100
R142 100
C101 C102 C103 C104 C105 C106 C107 C108 C109 C110 C111 C112 C113 C114 C115 C116 C117 C118
470p/50
0.1u/10
C131 C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142
R131 4.7k
R132 4.7k
R133 NM
R134 100
TP101
R136 4.7k TP103
R135 4.7k TP102
R111 100
R112 100
R113 100
MCK1
SCK1
LCK1
R121 22
R122 22
SCK2
LCK2
*R115 100
DT4I
R114 100
DT3I
DT2I
DT1I
DT0I
3.3V
0V
*R124 22
DT4O1
R123 22
DT3O1
DT2O1
DT1O1
DT0O1
*R125 22
DT5O1
*R126 NM
DT6O1
GNDD
R101 47
R102 47
R105 10
R103 47
R104 47
R106 47
R107 10
ALE
PAD15
PAD14
PAD13
PAD12
XRD
PAD11
PAD10
PAD9
PAD8
IC101
ADSP-21366KBCZ-1AA
1st DSP
CLKCFG0 A1
XTAL A2
TMS A3
TCK A4
TDI A5
CLKOUT A6
TDO A7
EMU A8
MOSI A9
MISO A10
SPIDS A11
VDDINT A12
GND A13
GND A14
CLKCFG1 B1
GND B2
VDDEXT B3
CLKIN B4
TRST B5
AVSS B6
AVDD B7
VDDEXT B8
SPICLK B9
RESET B10
VDDINT B11
GND B12
GND B13
GND B14
BOOTCFG1 C1
BOOTCFG0 C2
GND C3
GND C12
GND C13
VDDINT C14
FLAG1 F1
FLAG0 F2
FLAG2 F13
DAI_P20 F14
AD7 G1
VDDINT G2
VDDEXT G13
DAI_P19 G14
AD6 H1
VDDEXT H2
DAI_P18 H13
DAI_P17 H14
AD5 J1
AD4 J2
VDDINT J13
DAI_P16 J14
AD3 K1
VDDINT K2
DAI_P15 K14
AD2 L1
AD1 L2
DAI_P14 L14
AD0 M1
WR M2
GND M3
DAI_P12 M13
DAI_P13 M14
AD15 N1
ALE N2
RD N3
DAI_P2 N8
DAI_P4 N10
DAI_P10 N14
AD14 P1
AD13 P2
AD12 P3
AD11 P4
AD10 P5
AD9 P6
DAI_P1 P7
DAI_P3 P8
DAI_P5 P9
DAI_P6 P10
DAI_P7 P11
DAI_P8 P12
DAI_P9 P13
DAI_P11 P14
LCKO
SCKO
DT0O
DT1O
DT2O
DT3O
DT4O
DT5O
LCK2
SCK2
DT0O1
DT1O1
DT2O1
DT3O1
DT4O1
DT5O1
DAX
MCK2
DT6O1
DT6O
MCK3
M 2/3, 3/3
M 2/3
M 3/3

NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

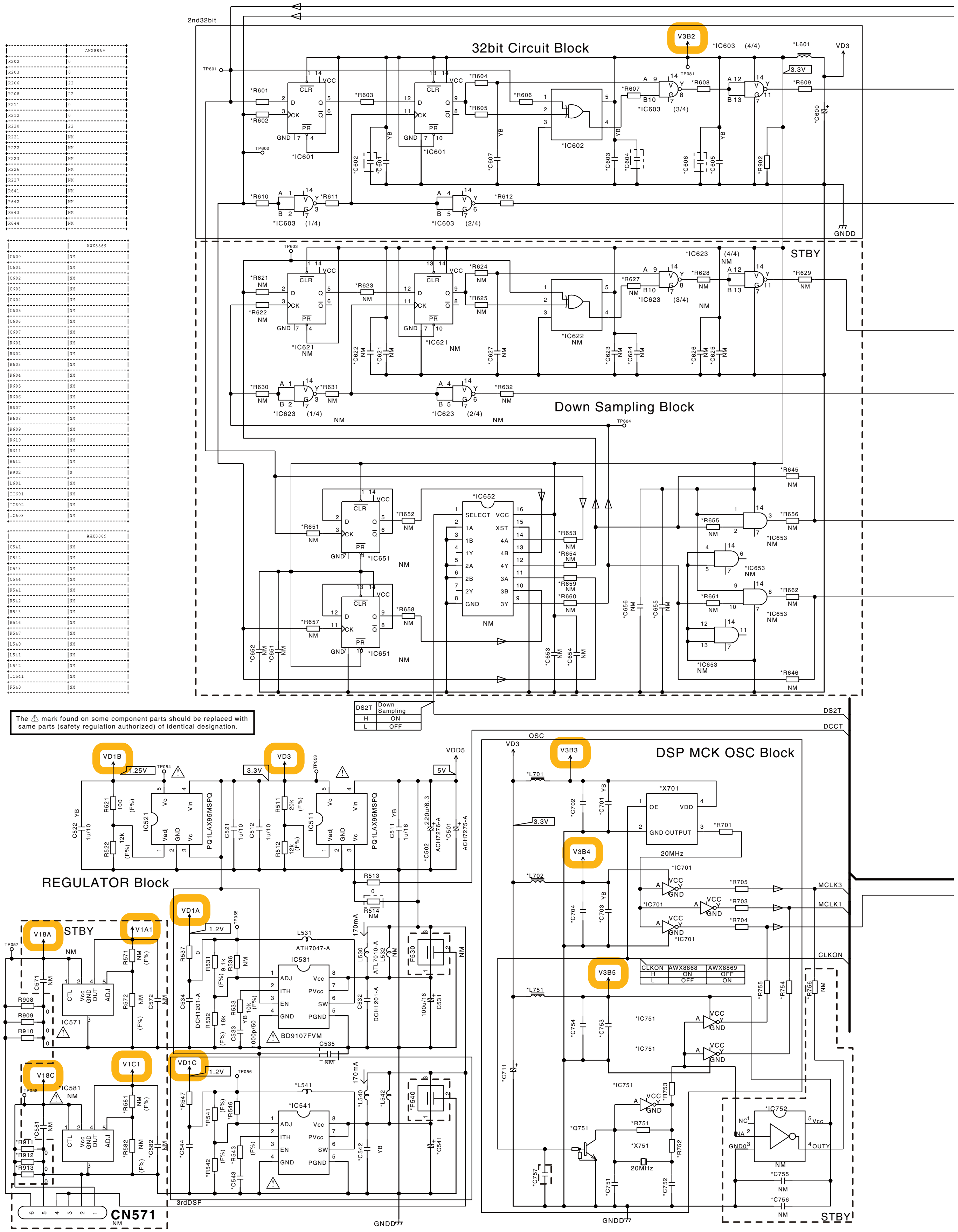
10.19 DSP ASSY (2/3)

	AWX8869
R202	0
R203	0
R206	22
R208	22
R211	0
R212	0
R220	22
R221	NM
R222	NM
R223	NM
R226	NM
R227	NM
R641	NM
R642	NM
R643	NM
R644	NM

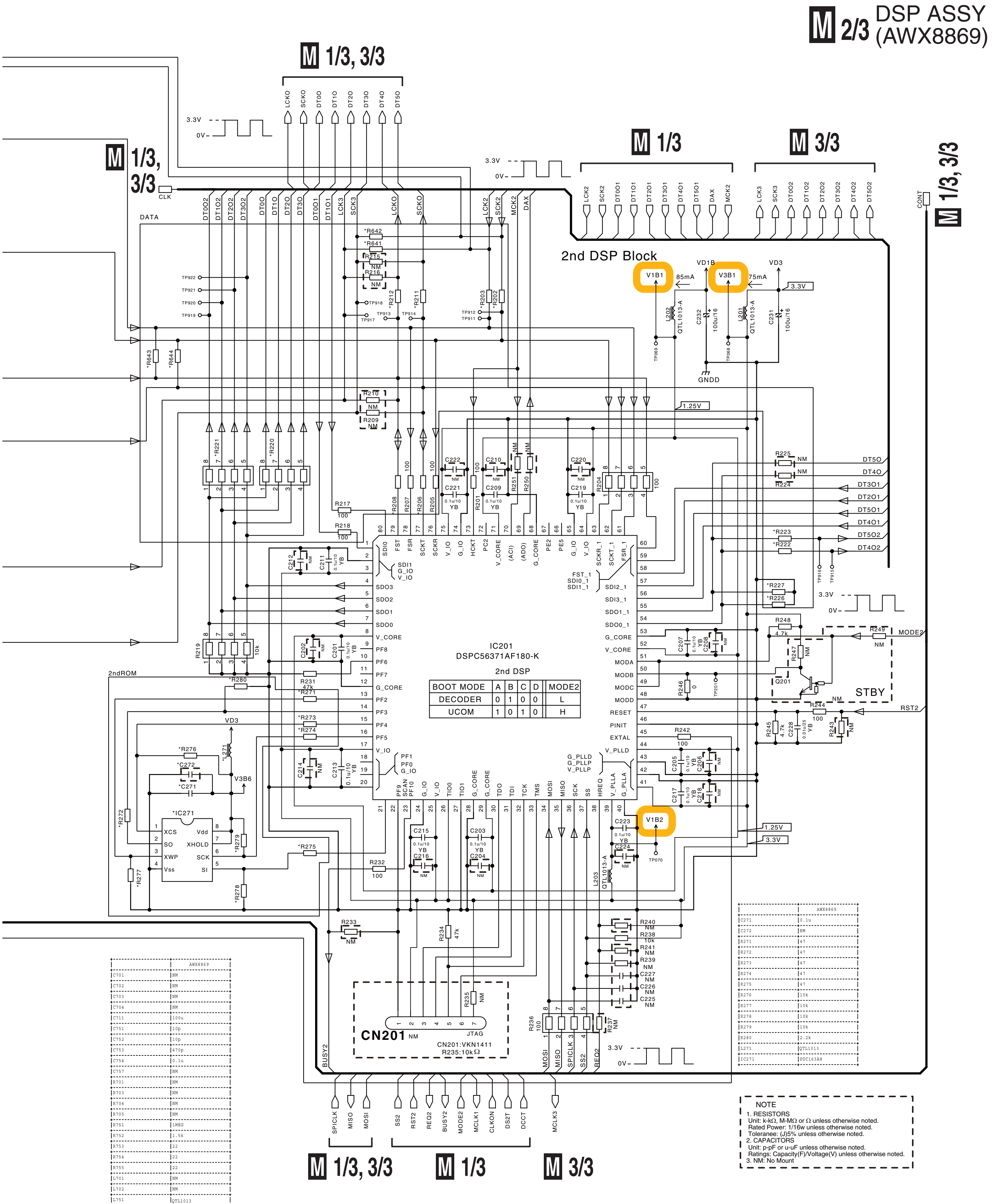
	AWX8869
C600	NM
C601	NM
C602	NM
C603	NM
C604	NM
C605	NM
C606	NM
C607	NM
R601	NM
R602	NM
R603	NM
R604	NM
R605	NM
R606	NM
R607	NM
R608	NM
R609	NM
R610	NM
R611	NM
R612	NM
R902	0
L601	NM
IC601	NM
IC602	NM
IC603	NM

	AWX8869
C541	NM
C542	NM
C543	NM
C544	NM
R541	NM
R542	NM
R543	NM
R546	NM
R547	NM
L540	NM
L541	NM
L542	NM
IC541	NM
F540	NM

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.


32bit Circuit Block
2nd32bit
V3B2
*IC603 (4/4)
*L601
VD3
3.3V
TP601
TP602
*IC601
*IC602
*IC603 (3/4)
*IC603 (1/4)
*IC603 (2/4)
GNDD
STBY
*IC621 NM
*IC622 NM
*IC623 (3/4)
*IC623 (4/4) NM
*IC623 (1/4)
*IC623 (2/4)
TP603
TP604
Down Sampling Block
*IC651
*IC652
SELECT VCC
1A XST
1B 4A
1Y 4B
2A 4Y
2B 3A
2Y 3B
GND 3Y
*IC653 NM
DS2T
DCCT
DS2T | Down Sampling
H | ON
L | OFF
VD1B
1.25V
TP054
VD3
3.3V
TP053
VDD5
5V
IC521
IC511
PQ1LAX95MSPQ
Vo Vin Vadj GND Vc
REGULATOR Block
VD1A
1.2V
TP055
L531
ATH7047-A
IC531
BD9107FVM
ADJ ITH EN GND Vcc PVcc SW PGND
DCH1201-A
ATL7010-A
170mA
C535
VD1C
1.2V
TP056
*L541
*IC541
3rdDSP
GNDD
V18A
STBY
V1A1
TP057
IC571
CTL Vcc GND OUT ADJ
R908
R909
R910
V18C
*IC581 NM
V1C1
TP058
*R911
*R912
*R913
CN571
NM
OSC
VD3
V3B3
DSP MCK OSC Block
*L701
*X701
OE VDD
GND OUTPUT
20MHz
3.3V
V3B4
*L702
*IC701
MCLK3
MCLK1
CLKON
CLKON | AWX8868 | AWX8869
H | ON | OFF
L | OFF | ON
V3B5
*L751
*IC751
*Q751
*X751
20MHz
*IC752
NC
INA
GND
Vcc
OUTY
STBY
GNDD

M 2/3 DSP ASSY (AWX8869)


M 1/3, 3/3
LCKO SCKO DT0O DT1O DT2O DT3O DT4O DT5O
M 1/3
LCK2 SCK2 DT0O1 DT1O1 DT2O1 DT3O1 DT4O1 DT5O1 DAX MCK2
M 3/3
LCK3 SCK3 DT0O2 DT1O2 DT2O2 DT3O2 DT4O2 DT5O2
CONT
CLK
DATA
3.3V
0V
2nd DSP Block
V1B1
V3B1
VD1B
VD3
85mA
75mA
GNDD
1.25V
IC201
DSPC56371AF180-K
2nd DSP
2ndROM
IC271
XCS SO XWP Vss Vdd XHOLD SCK SI
V3B6
V1B2
STBY
MODE2
RST2
Q201
CN201 NM
JTAG
CN201:VKN1411
R235:10kΩ
BUSY2
SPICLK MISO MOSI
SS2 RST2 REQ2 BUSY2 MODE2 MCLK1 CLKON DS2T DCCT
MCLK3
M 1/3, 3/3
M 1/3
M 3/3
A B C D E F

BOOT MODE	A	B	C	D	MODE2
DECODER	0	1	0	0	L
UCOM	1	0	1	0	H

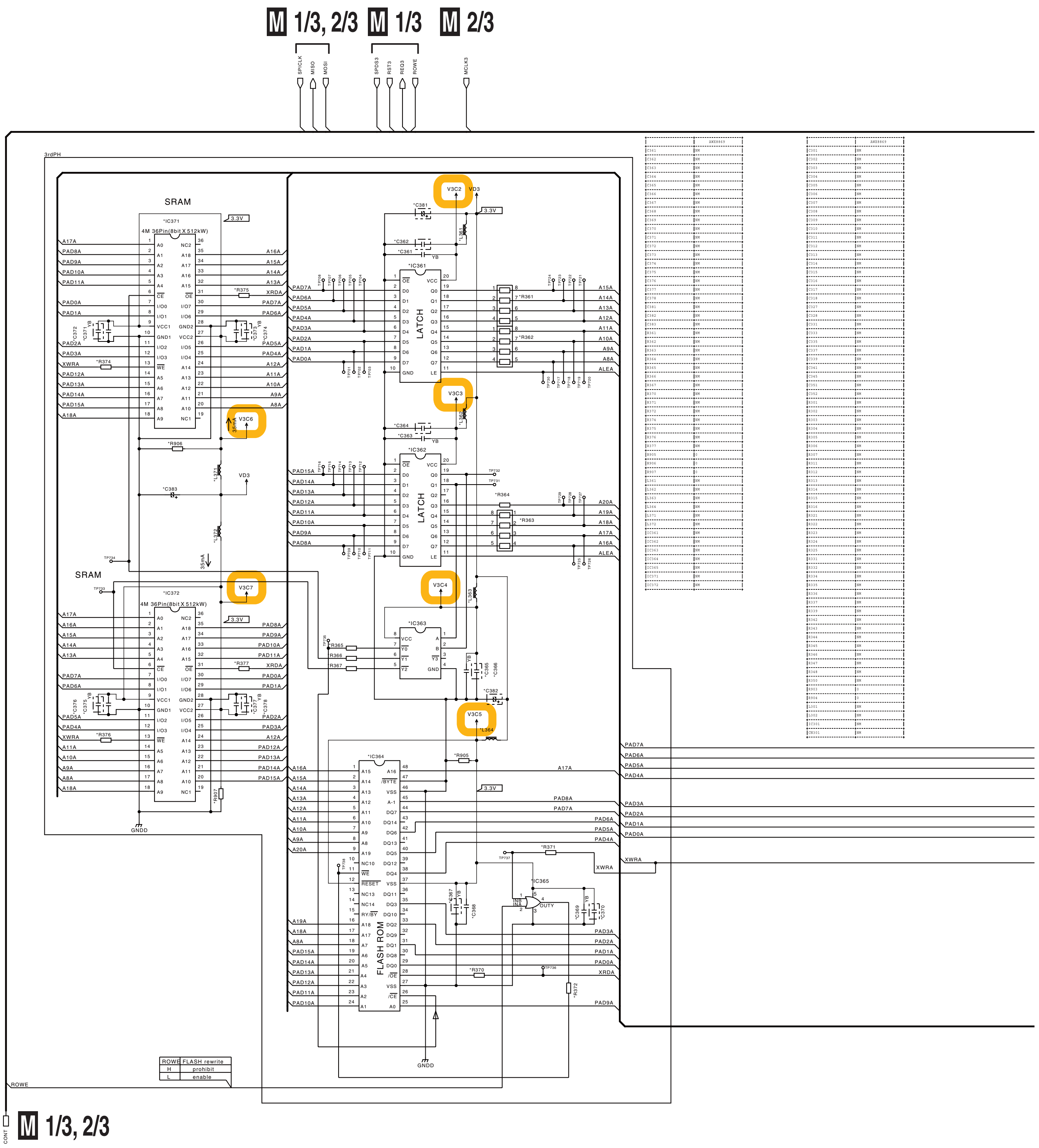
	AWX8869
C701	NM
C702	NM
C703	NM
C704	NM
C711	100u
C751	10p
C752	10p
C753	470p
C754	0.1u
C757	NM
R701	NM
R703	NM
R704	NM
R705	NM
R751	1MEG
R752	1.5k
R753	22
R754	22
R755	22
L701	NM
L702	NM
L751	QTL1013
IC701	NM
IC751	TC7WHU04FU
Q751	RT1N241M
X701	NM
X751	VSS1171-A

	AWX8869
C271	0.1u
C272	NM
R271	47
R272	47
R273	47
R274	47
R275	47
R276	10k
R277	10k
R278	10k
R279	10k
R280	2.2k
L271	QTL1013
IC271	PDC163A8

NOTE

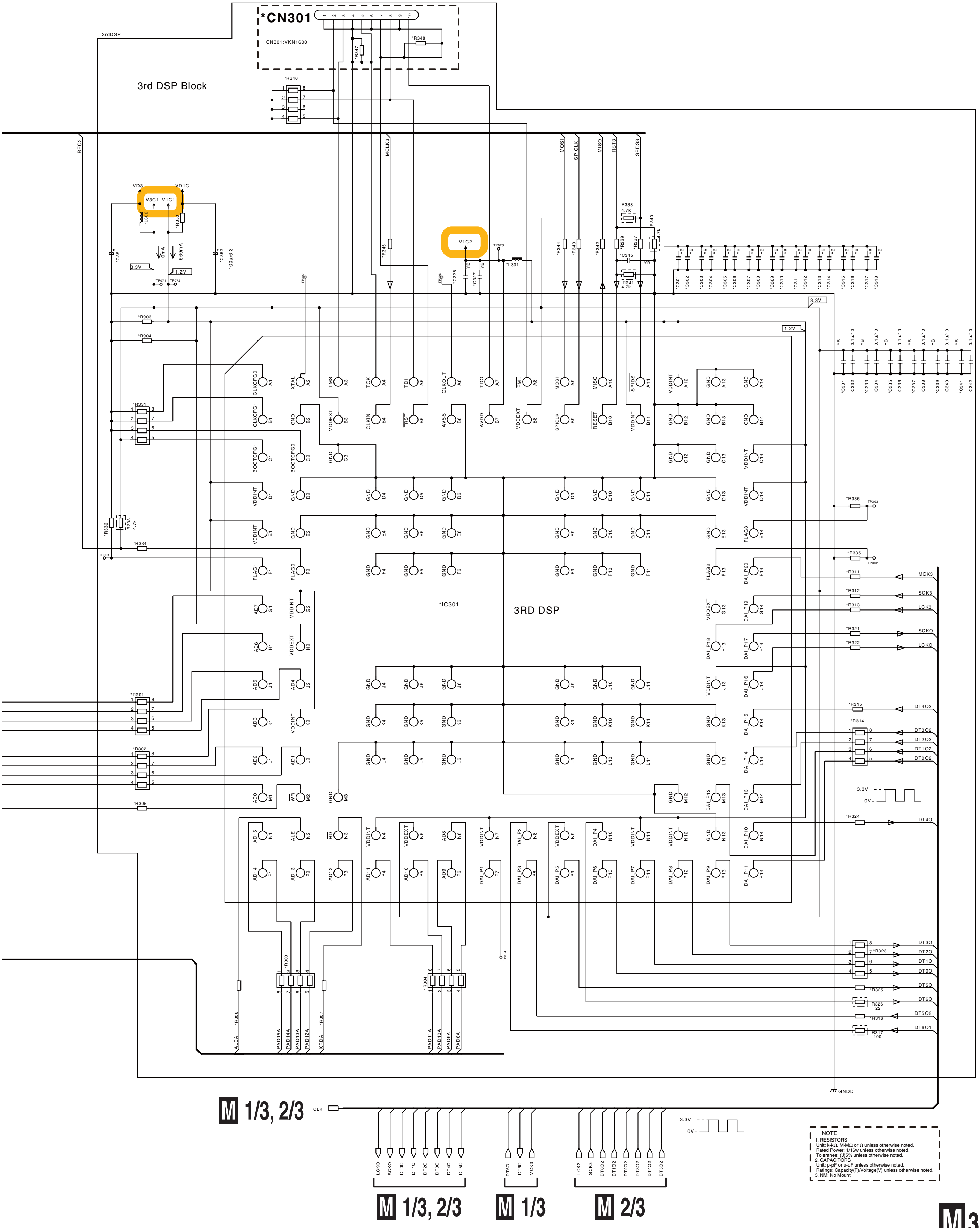
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

10.20 DSP ASSY (3/3)



M 1/3, 2/3
M 1/3
M 2/3
SPICLK
MISO
MOSI
SPDS3
RST3
REQ3
ROWE
MCLK3
3rdPH
SRAM
IC371
4M 36Pin(8bit X 512kW)
IC372
V3C2
VD3
V3C3
V3C4
V3C5
V3C6
V3C7
3.3V
35mA
LATCH
IC361
IC362
IC363
IC364
IC365
FLASH ROM
GNDD
ROWE
FLASH rewrite
H
prohibit
L
enable
CONT
M 1/3, 2/3

M 3/3 DSP ASSY (AWX8869)

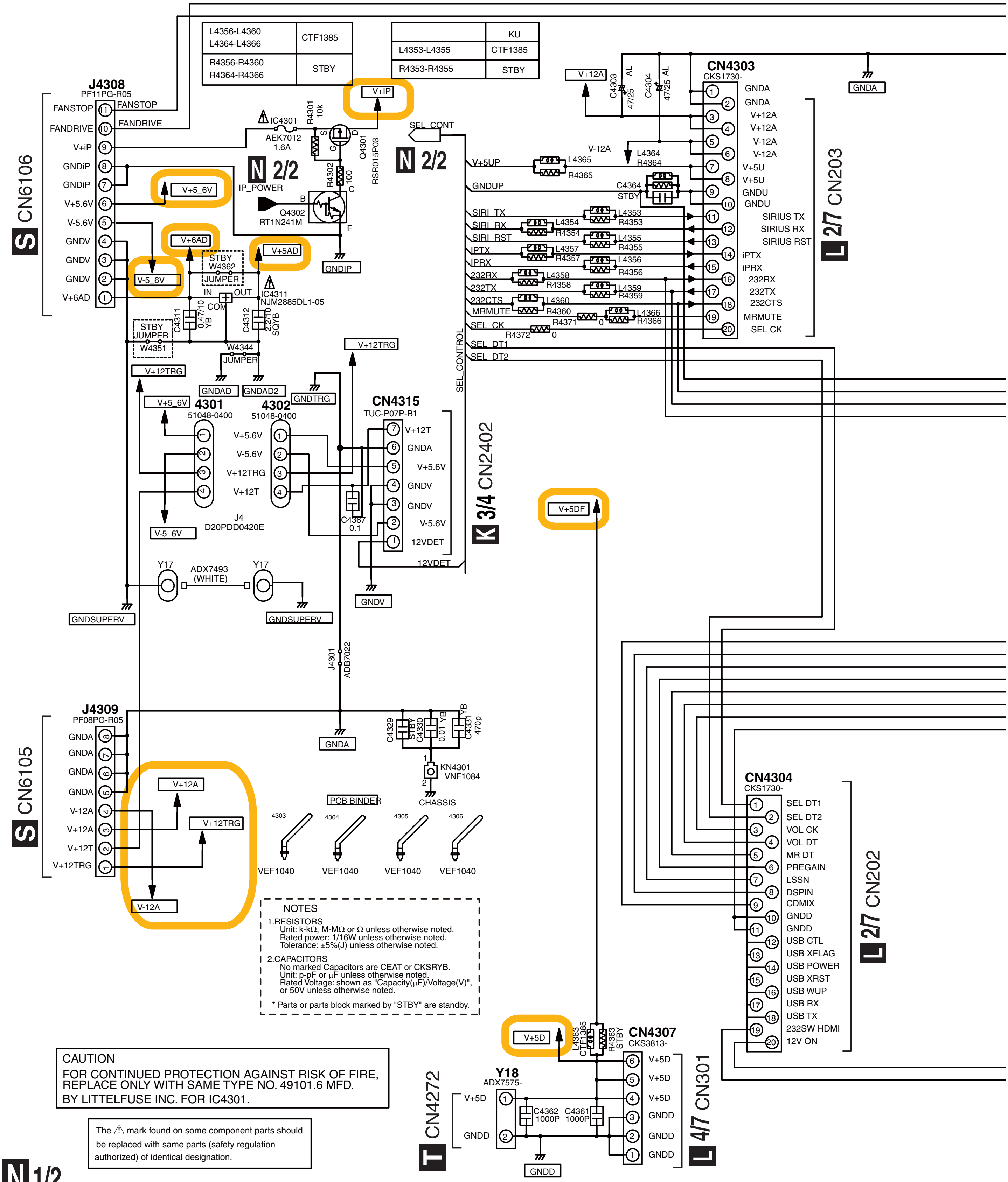

*CN301
CN301:VKN1600
*R348
*R347
*R346
3rdDSP
3rd DSP Block
REQ3
MCLK3
MOSI
SPICLK
MISO
RST3
SPDS3
VD3
VD1C
V3C1
V1C1
*L302
*R350
*C351
10mA
560mA
*C352
100u/6.3
3.3V
1.2V
TP071
TP072
V1C2
TP073
*L301
*C328
*C327
*R345
*R344
*R343
*R342
R338
4.7k
R340
4.7k
*R339
*R337
*C345
R341
4.7k
YB
*C301
*C302
*C303
*C304
*C305
*C306
*C307
*C308
*C309
*C310
*C311
*C312
*C313
*C314
*C315
*C316
*C317
*C318
0.1u/10
*C331
C332
*C333
C334
*C335
C336
*C337
C338
*C339
C340
*C341
C342
*R903
*R904
*R331
*R332
*R333
4.7k
*R334
TP301
*IC301
3RD DSP
*R336
TP303
*R335
TP302
*R311
*R312
*R313
*R321
*R322
MCK3
SCK3
LCK3
SCKO
LCKO
*R315
*R314
DT4O2
DT3O2
DT2O2
DT1O2
DT0O2
3.3V
0V
*R324
DT4O
*R301
*R302
*R305
*R303
*R304
*R306
*R307
ALEA
PAD15A
PAD14A
PAD13A
PAD12A
XRDA
PAD11A
PAD10A
PAD9A
PAD8A
*R323
DT3O
DT2O
DT1O
DT0O
DT5O
*R325
DT6O
R326
22
DT5O2
*R316
DT6O1
R317
100
GNDD
M 1/3, 2/3
CLK
LCKO
SCKO
DT0O
DT1O
DT2O
DT3O
DT4O
DT5O
DT6O1
DT6O
MCK3
LCK3
SCK3
DT0O2
DT1O2
DT2O2
DT3O2
DT4O2
DT5O2
M 1/3, 2/3
M 1/3
M 2/3

NOTE
1. RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated Power: 1/16w unless otherwise noted.
Toleranee: (J)5% unless otherwise noted.
2. CAPACITORS
Unit: p-pF or u-uF unless otherwise noted.
Ratings: Capacity(F)/Voltage(V) unless otherwise noted.
3. NM: No Mount

M 3/3

10.21 INTERFACE ASSY (1/2)

N 1/2 INTERFACE ASSY
(AWX8919)


A
B
C
D
E
F
L4356-L4360
L4364-L4366
CTF1385
R4356-R4360
R4364-R4366
STBY
KU
L4353-L4355
CTF1385
R4353-R4355
STBY
J4308
PF11PG-R05
FANSTOP
FANDRIVE
V+iP
GNDiP
GNDiP
V+5.6V
V-5.6V
GNDV
GNDV
GNDV
V+6AD
S CN6106
V+IP
IC4301
AEK7012
1.6A
R4301
10k
Q4301
RSR015P03
R4302
100
IP_POWER
Q4302
RT1N241M
N 2/2
N 2/2
SEL_CONT
V+5_6V
V+6AD
V+5AD
V-5_6V
STBY
W4362
JUMPER
IN
OUT
COM
IC4311
NJM2885DL1-05
C4311
0.47/10
YB
C4312
2.2/10
SQYB
STBY
JUMPER
W4351
W4344
JUMPER
GNDIP
V+12TRG
V+12TRG
GNDAD
GNDAD2
GNDTRG
V+5_6V
4301
51048-0400
4302
51048-0400
V+5.6V
V-5.6V
V+12TRG
V+12T
V-5_6V
J4
D20PDD0420E
CN4315
TUC-P07P-B1
V+12T
GNDA
V+5.6V
GNDV
GNDV
V-5.6V
12VDET
12VDET
C4367
0.1
GNDV
K 3/4 CN2402
SEL_CONTROL
V+5UP
GNDUP
SIRI_TX
SIRI_RX
SIRI_RST
IPTX
IPRX
232RX
232TX
232CTS
MRMUTE
SEL_CK
SEL_DT1
SEL_DT2
L4365
R4365
L4364
R4364
C4364
STBY
V-12A
L4353
R4353
L4354
R4354
L4355
R4355
L4357
R4357
L4356
R4356
L4358
R4358
L4359
R4359
L4360
R4360
R4371
0
L4366
R4366
R4372
0
V+12A
C4303
47/25
AL
C4304
47/25
AL
CN4303
CKS1730-
GNDA
GNDA
V+12A
V+12A
V-12A
V-12A
V+5U
V+5U
GNDU
GNDU
SIRIUS TX
SIRIUS RX
SIRIUS RST
iPTX
iPRX
232RX
232TX
232CTS
MRMUTE
SEL CK
GNDA
L 2/7 CN203
V+5DF
Y17
ADX7493
(WHITE)
Y17
GNDSUPERV
GNDSUPERV
J4301
ADB7022
J4309
PF08PG-R05
GNDA
GNDA
GNDA
GNDA
V-12A
V+12A
V+12T
V+12TRG
S CN6105
V+12A
V+12TRG
V-12A
GNDA
C4329
STBY
C4330
0.01 YB
C4331
470p
YB
KN4301
VNF1084
CHASSIS
PCB BINDER
4303
4304
4305
4306
VEF1040
VEF1040
VEF1040
VEF1040
CN4304
CKS1730-
SEL DT1
SEL DT2
VOL CK
VOL DT
MR DT
PREGAIN
LSSN
DSPIN
CDMIX
GNDD
GNDD
USB CTL
USB XFLAG
USB POWER
USB XRST
USB WUP
USB RX
USB TX
232SW HDMI
12V ON
L 2/7 CN202
V+5D
L4363
CTF1385
R4363
STBY
CN4307
CKS3813-
V+5D
V+5D
V+5D
GNDD
GNDD
GNDD
L 4/7 CN301
Y18
ADX7575-
V+5D
GNDD
C4362
1000P
C4361
1000P
GNDD
T CN4272

NOTES
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.
* Parts or parts block marked by "STBY" are standby.

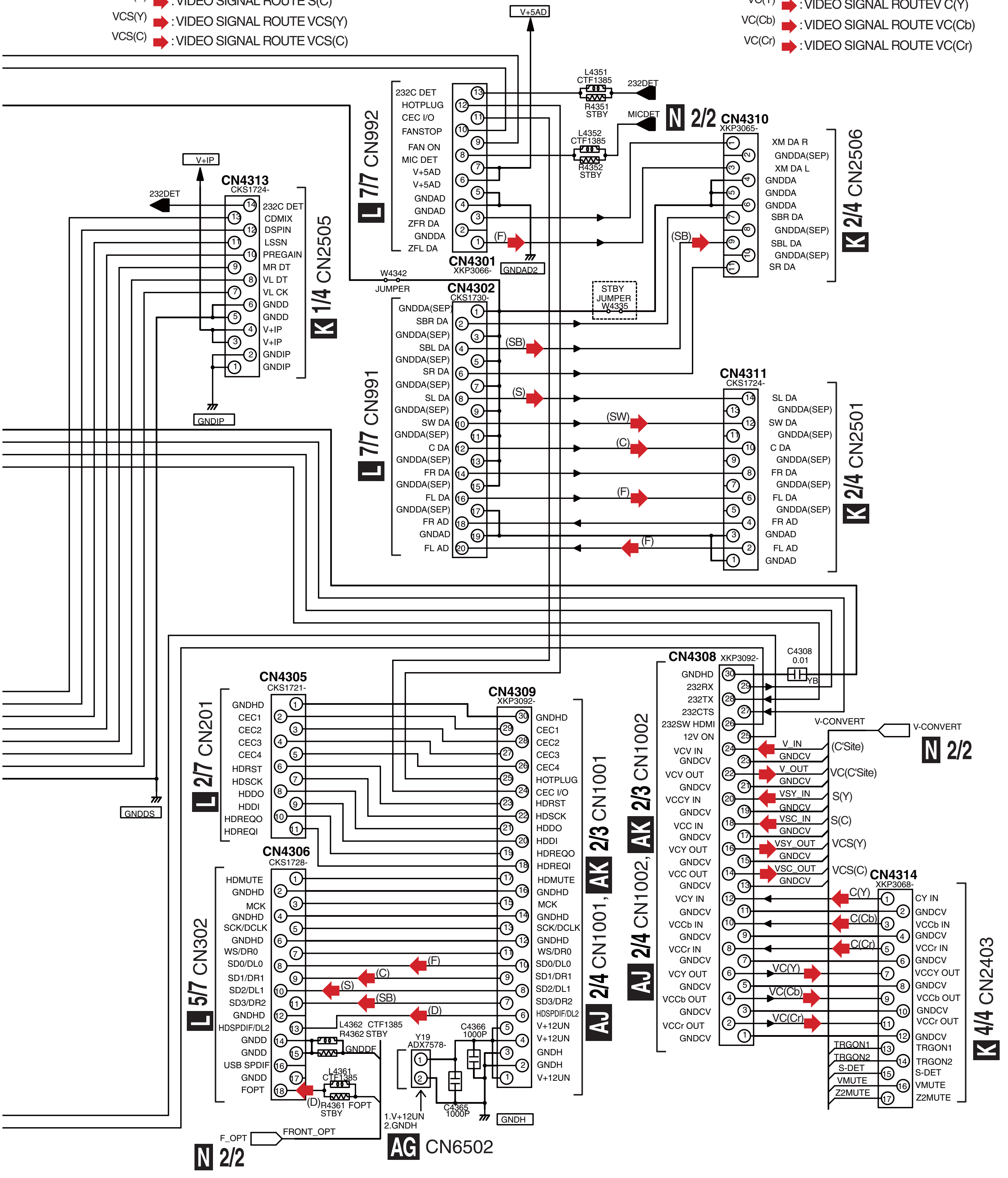
CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. 49101.6 MFD. BY LITTELFUSE INC. FOR IC4301.

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

N 1/2

(C'Site) 🡆 : VIDEO SIGNAL ROUTE (C'Site)
VC(C'Site) 🡆 : VIDEO SIGNAL ROUTE VC(C'Site)
S(Y) 🡆 : VIDEO SIGNAL ROUTE S(Y)
S(C) 🡆 : VIDEO SIGNAL ROUTE S(C)
VCS(Y) 🡆 : VIDEO SIGNAL ROUTE VCS(Y)
VCS(C) 🡆 : VIDEO SIGNAL ROUTE VCS(C)

C(Y) 🡆 : VIDEO SIGNAL ROUTE C(Y)
C(Cb) 🡆 : VIDEO SIGNAL ROUTE C(Cb)
C(Cr) 🡆 : VIDEO SIGNAL ROUTE C(Cr)
VC(Y) 🡆 : VIDEO SIGNAL ROUTEV C(Y)
VC(Cb) 🡆 : VIDEO SIGNAL ROUTE VC(Cb)
VC(Cr) 🡆 : VIDEO SIGNAL ROUTE VC(Cr)

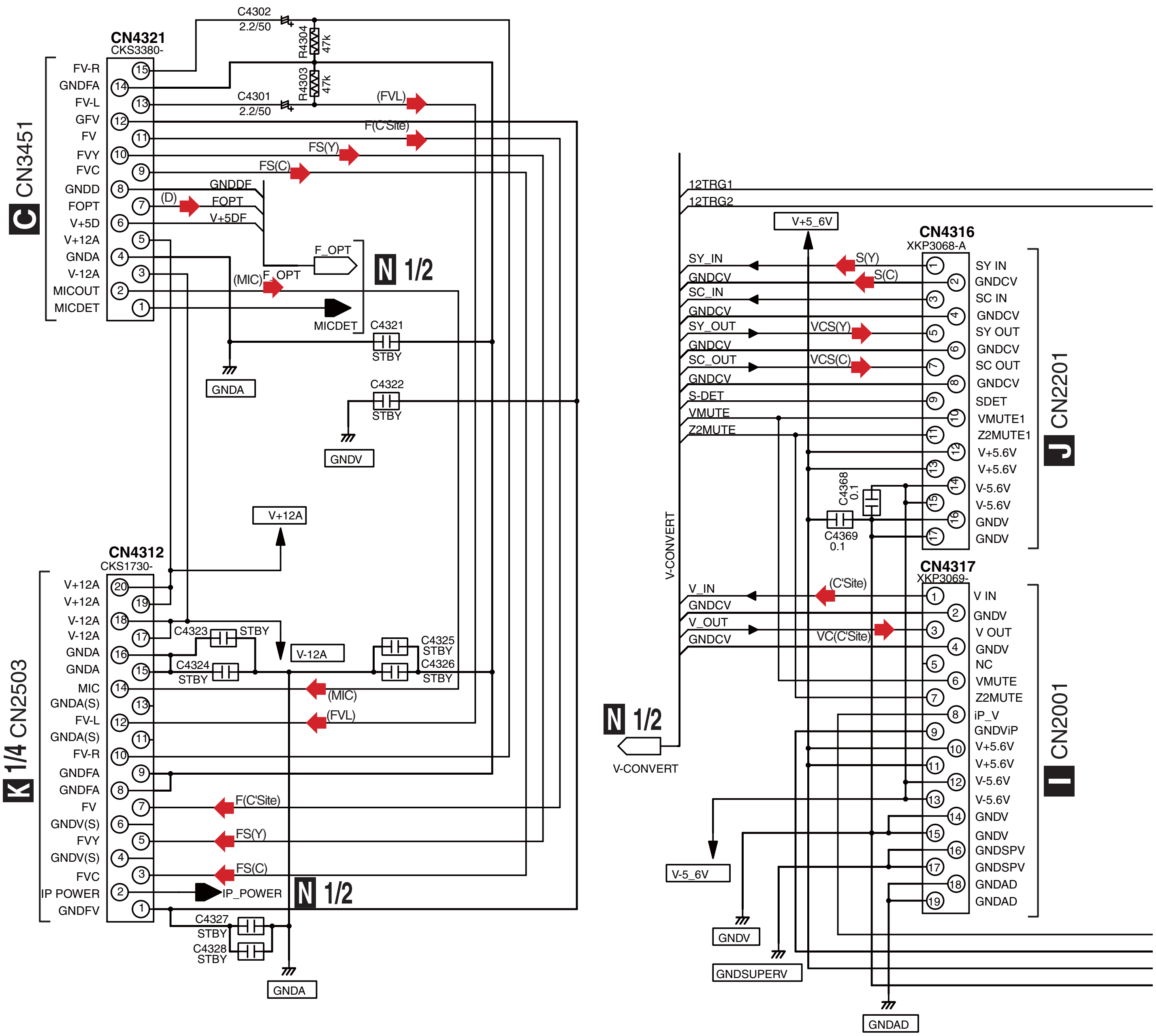

V+5AD
L4351 CTF1385
R4351 STBY
232DET
MICDET
L4352 CTF1385
R4352 STBY
N 2/2 CN4310 XKP3065-
XM DA R
GNDDA(SEP)
XM DA L
GNDDA
GNDDA
GNDDA
SBR DA
GNDDA(SEP)
SBL DA
GNDDA(SEP)
SR DA
K 2/4 CN2506
L 7/7 CN992
232C DET
HOTPLUG
CEC I/O
FANSTOP
FAN ON
MIC DET
V+5AD
V+5AD
GNDAD
GNDAD
ZFR DA
GNDDA
ZFL DA
CN4301 XKP3066-
GNDAD2
(F)
(SB)
V+IP
232DET
CN4313 CKS1724-
232C DET
CDMIX
DSPIN
LSSN
PREGAIN
MR DT
VL DT
VL CK
GNDD
GNDD
V+IP
V+IP
GNDIP
GNDIP
K 1/4 CN2505
GNDIP
W4342 JUMPER
CN4302 CKS1730-
STBY JUMPER W4335
GNDDA(SEP)
SBR DA
GNDDA(SEP)
SBL DA
GNDDA(SEP)
SR DA
GNDDA(SEP)
SL DA
GNDDA(SEP)
SW DA
GNDDA(SEP)
C DA
GNDDA(SEP)
FR DA
GNDDA(SEP)
FL DA
GNDDA(SEP)
FR AD
GNDAD
FL AD
L 7/7 CN991
(SB)
(S)
(SW)
(C)
(F)
(F)
CN4311 CKS1724-
SL DA
GNDDA(SEP)
SW DA
GNDDA(SEP)
C DA
GNDDA(SEP)
FR DA
GNDDA(SEP)
FL DA
GNDDA(SEP)
FR AD
GNDAD
FL AD
GNDAD
K 2/4 CN2501
CN4308 XKP3092-
C4308 0.01
YB
GNDHD
232RX
232TX
232CTS
232SW HDMI
12V ON
VCV IN
GNDCV
VCV OUT
GNDCV
VCCY IN
GNDCV
VCC IN
GNDCV
VCY OUT
GNDCV
VCC OUT
GNDCV
VCY IN
GNDCV
VCCb IN
GNDCV
VCCr IN
GNDCV
VCY OUT
GNDCV
VCCb OUT
GNDCV
VCCr OUT
GNDCV
V-CONVERT
V-CONVERT
N 2/2
V_IN
GNDCV
V_OUT
GNDCV
VSY_IN
GNDCV
VSC_IN
GNDCV
VSY_OUT
GNDCV
VSC_OUT
GNDCV
(C'Site)
VC(C'Site)
S(Y)
S(C)
VCS(Y)
VCS(C)
CN4314 XKP3068-
C(Y)
C(Cb)
C(Cr)
VC(Y)
VC(Cb)
VC(Cr)
CY IN
GNDCV
VCCb IN
GNDCV
VCCr IN
GNDCV
VCCY OUT
GNDCV
VCCb OUT
GNDCV
VCCr OUT
GNDCV
TRGON1
TRGON2
S-DET
VMUTE
Z2MUTE
TRGON1
TRGON2
S-DET
VMUTE
Z2MUTE
K 4/4 CN2403
AJ 2/4 CN1002, AK 2/3 CN1002
AJ 2/4 CN1001, AK 2/3 CN1001
CN4305 CKS1721-
GNDHD
CEC1
CEC2
CEC3
CEC4
HDRST
HDSCK
HDDO
HDDI
HDREQO
HDREQI
L 2/7 CN201
GNDDS
CN4309 XKP3092-
GNDHD
CEC1
CEC2
CEC3
CEC4
HOTPLUG
CEC I/O
HDRST
HDSCK
HDDO
HDDI
HDREQO
HDREQI
HDMUTE
GNDHD
MCK
GNDHD
SCK/DCLK
GNDHD
WS/DR0
SD0/DL0
SD1/DR1
SD2/DL1
SD3/DR2
HDSPDIF/DL2
V+12UN
V+12UN
GNDH
GNDH
V+12UN
CN4306 CKS1728-
HDMUTE
GNDHD
MCK
GNDHD
SCK/DCLK
GNDHD
WS/DR0
SD0/DL0
SD1/DR1
SD2/DL1
SD3/DR2
GNDHD
HDSPDIF/DL2
GNDD
GNDD
USB SPDIF
GNDD
FOPT
L 5/7 CN302
(F)
(C)
(S)
(SB)
(D)
L4362 CTF1385
R4362 STBY
GNDDF
L4361 CTF1385
R4361 FOPT STBY
(D)
Y19 ADX7578-
C4366 1000P
C4365 1000P
1.V+12UN
2.GNDH
GNDH
F_OPT
FRONT_OPT
N 2/2
AG CN6502

(F) 🡆 : AUDIO SIGNAL ROUTE(F)
(C) 🡆 : AUDIO SIGNAL ROUTE(C)
(S) 🡆 : AUDIO SIGNAL ROUTE(S)
(SB) 🡆 : AUDIO SIGNAL ROUTE(SB)
(SW) 🡆 : AUDIO SIGNAL ROUTE(SW)
(D) 🡆 : AUDIO SIGNAL ROUTE(SPDIF)

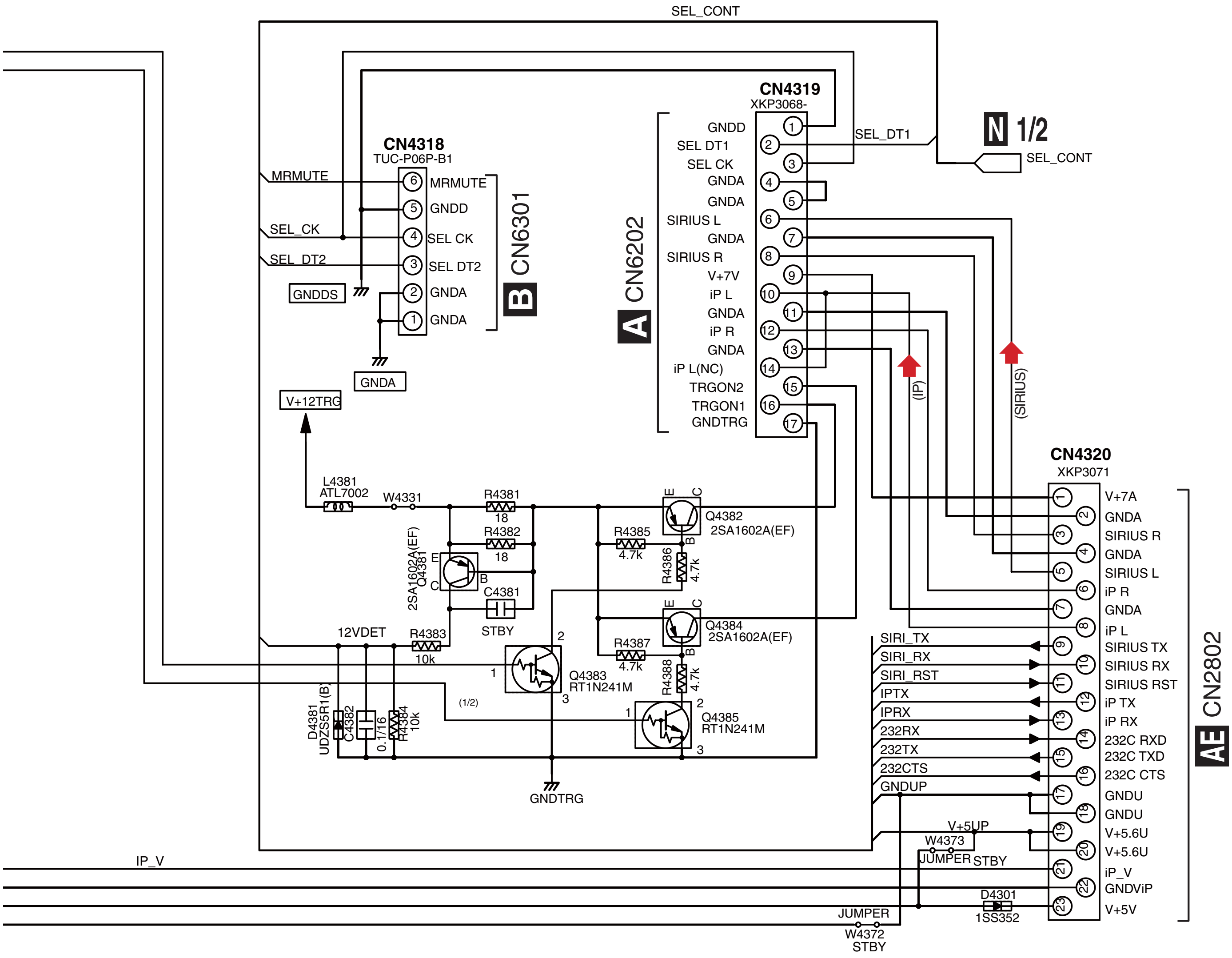
N 1/2

10.22 INTERFACE ASSY (2/2)

N 2/2 INTERFACE ASSY
(AWX8919)


CN4321
CKS3380-
C CN3451
FV-R
GNDFA
FV-L
GFV
FV
FVY
FVC
GNDD
FOPT
V+5D
V+12A
GNDA
V-12A
MICOUT
MICDET
C4302
2.2/50
R4304
47k
R4303
47k
C4301
2.2/50
(FVL)
F(C'Site)
FS(Y)
FS(C)
GNDDF
(D)
FOPT
V+5DF
F_OPT
(MIC)
F_OPT
N 1/2
MICDET
C4321
STBY
GNDA
C4322
STBY
GNDV
V+12A
CN4312
CKS1730-
K 1/4 CN2503
V+12A
V+12A
V-12A
V-12A
GNDA
GNDA
MIC
GNDA(S)
FV-L
GNDA(S)
FV-R
GNDFA
GNDFA
FV
GNDV(S)
FVY
GNDV(S)
FVC
IP POWER
GNDFV
C4323
STBY
C4324
STBY
V-12A
C4325
STBY
C4326
STBY
(MIC)
(FVL)
F(C'Site)
FS(Y)
FS(C)
IP_POWER
N 1/2
C4327
STBY
C4328
STBY
GNDA
12TRG1
12TRG2
V+5_6V
CN4316
XKP3068-A
SY_IN
GNDCV
SC_IN
GNDCV
SY_OUT
GNDCV
SC_OUT
GNDCV
S-DET
VMUTE
Z2MUTE
S(Y)
S(C)
VCS(Y)
VCS(C)
C4368
0.1
C4369
0.1
SY IN
GNDCV
SC IN
GNDCV
SY OUT
GNDCV
SC OUT
GNDCV
SDET
VMUTE1
Z2MUTE1
V+5.6V
V+5.6V
V-5.6V
V-5.6V
GNDV
GNDV
J CN2201
V-CONVERT
V_IN
GNDCV
V_OUT
GNDCV
(C'Site)
VC(C'Site)
CN4317
XKP3069-
V IN
GNDV
V OUT
GNDV
NC
VMUTE
Z2MUTE
iP_V
GNDViP
V+5.6V
V+5.6V
V-5.6V
V-5.6V
GNDV
GNDV
GNDSPV
GNDSPV
GNDAD
GNDAD
I CN2001
N 1/2
V-CONVERT
V-5_6V
GNDV
GNDSUPERV
GNDAD

N 2/2

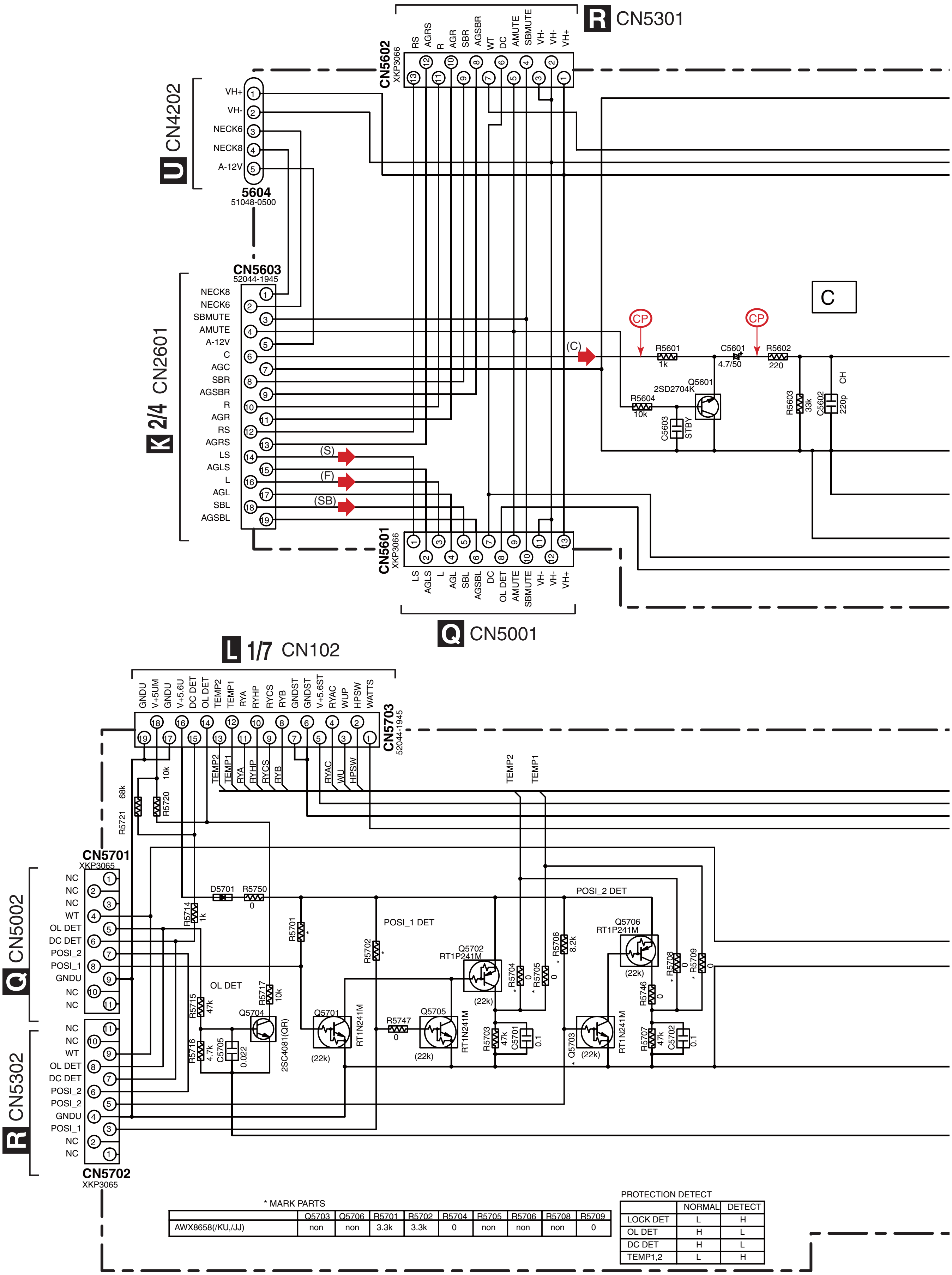

SEL_CONT
CN4319
XKP3068-
GNDD
SEL DT1
SEL CK
GNDA
GNDA
SIRIUS L
GNDA
SIRIUS R
V+7V
iP L
GNDA
iP R
GNDA
iP L(NC)
TRGON2
TRGON1
GNDTRG
A CN6202
SEL_DT1
N 1/2
SEL_CONT
CN4318
TUC-P06P-B1
MRMUTE
SEL_CK
SEL_DT2
GNDDS
MRMUTE
GNDD
SEL CK
SEL DT2
GNDA
GNDA
B CN6301
GNDA
V+12TRG
(IP)
(SIRIUS)
CN4320
XKP3071
V+7A
GNDA
SIRIUS R
GNDA
SIRIUS L
iP R
GNDA
iP L
SIRIUS TX
SIRIUS RX
SIRIUS RST
iP TX
iP RX
232C RXD
232C TXD
232C CTS
GNDU
GNDU
V+5.6U
V+5.6U
iP_V
GNDViP
V+5V
AE CN2802
L4381
ATL7002
W4331
R4381
18
R4382
18
Q4381
2SA1602A(EF)
C4381
STBY
R4385
4.7k
R4386
4.7k
Q4382
2SA1602A(EF)
Q4384
2SA1602A(EF)
R4387
4.7k
R4388
4.7k
12VDET
R4383
10k
Q4383
RT1N241M
(1/2)
Q4385
RT1N241M
D4381
UDZS5R1(B)
C4382
0.1/16
R4384
10k
GNDTRG
SIRI_TX
SIRI_RX
SIRI_RST
IPTX
IPRX
232RX
232TX
232CTS
GNDUP
V+5UP
W4373
JUMPER
STBY
D4301
1SS352
JUMPER
W4372
STBY
IP_V

(SIRIUS) ➡ : AUDIO SIGNAL ROUTE(SIRIUS)
(IP) ➡ : AUDIO SIGNAL ROUTE(IP)
(MIC) ➡ : AUDIO SIGNAL ROUTE(MIC)
(D) ➡ : AUDIO SIGNAL ROUTE(SPDIF)

(FVL) ➡ : VIDEO SIGNAL ROUTE (VIDEO2)
F(C'Site) ➡ : VIDEO SIGNAL ROUTE F(C'Site)
FS(C) ➡ : VIDEO SIGNAL ROUTE FS(C)
FS(Y) ➡ : VIDEO SIGNAL ROUTE FS(Y)
(C'Site) ➡ : VIDEO SIGNAL ROUTE (C'Site)
VC(C'Site) ➡ : VIDEO SIGNAL ROUTE VC(C'Site)
S(Y) ➡ : VIDEO SIGNAL ROUTE S(Y)
S(C) ➡ : VIDEO SIGNAL ROUTE S(C)
VCS(Y) ➡ : VIDEO SIGNAL ROUTE VCS(Y)
VCS(C) ➡ : VIDEO SIGNAL ROUTE VCS(C)

N 2/2

10.23 POWER AMP IN and POWER PROTECT ASSYS


R CN5301
CN5602
XKP3066
RS
AGRS
R
AGR
SBR
AGSBR
WT
DC
AMUTE
SBMUTE
VH-
VH-
VH+
U CN4202
VH+
VH-
NECK6
NECK8
A-12V
5604
51048-0500
CN5603
52044-1945
K 2/4 CN2601
NECK8
NECK6
SBMUTE
AMUTE
A-12V
C
AGC
SBR
AGSBR
R
AGR
RS
AGRS
LS
AGLS
L
AGL
SBL
AGSBL
(C)
(S)
(F)
(SB)
C
CP
R5601
1k
C5601
4.7/50
R5602
220
Q5601
2SD2704K
R5604
10k
C5603
STBY
R5603
33k
C5602
220p
CH
CN5601
XKP3066
LS
AGLS
L
AGL
SBL
AGSBL
DC
OL DET
AMUTE
SBMUTE
VH-
VH-
VH+
Q CN5001
L 1/7 CN102
GNDU
V+5UM
GNDU
V+5.6U
DC DET
OL DET
TEMP2
TEMP1
RYA
RYHP
RYCS
RYB
GNDST
GNDST
V+5.6ST
RYAC
WUP
HPSW
WATTS
CN5703
52044-1945
TEMP2
TEMP1
RYA
RYHP
RYCS
RYB
RYAC
WU
HPSW
TEMP2
TEMP1
R5721
68k
R5720
10k
CN5701
XKP3065
Q CN5002
NC
NC
NC
WT
OL DET
DC DET
POSI_2
POSI_1
GNDU
NC
NC
D5701
R5750
0
R5714
1k
R5701
POSI_1 DET
R5702
POSI_2 DET
Q5706
RT1P241M
Q5702
RT1P241M
(22k)
R5704
0
R5705
0
R5706
8.2k
R5708
0
R5709
0
R5746
0
OL DET
R5715
47k
R5717
10k
Q5704
Q5701
RT1N241M
R5747
0
Q5705
RT1N241M
R5703
47k
C5701
0.1
Q5703
R5707
47k
C5702
0.1
R5716
4.7k
C5705
0.022
2SC4081(QR)
R CN5302
NC
NC
WT
OL DET
DC DET
POSI_2
POSI_2
GNDU
POSI_1
NC
NC
CN5702
XKP3065

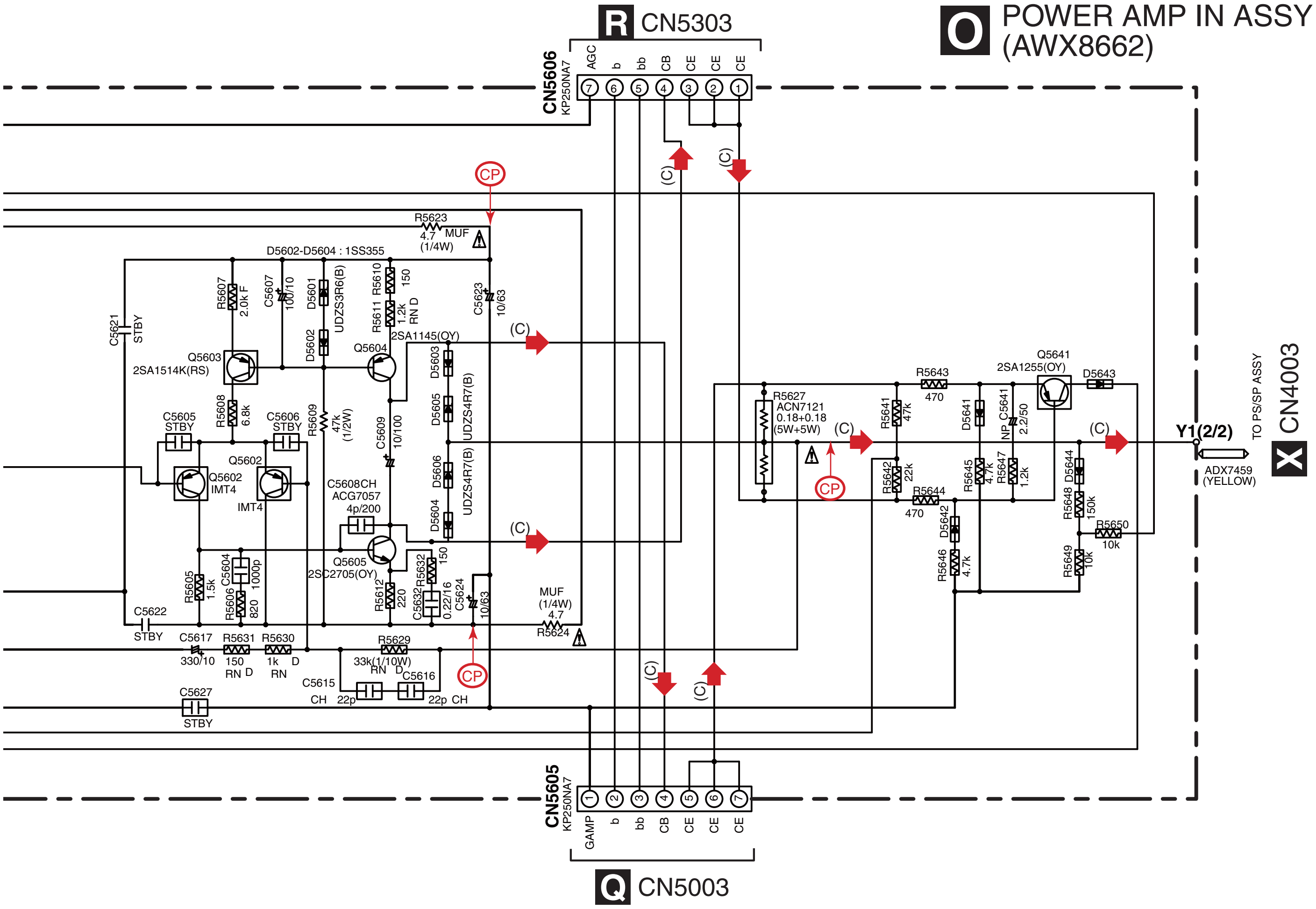
* MARK PARTS

	Q5703	Q5706	R5701	R5702	R5704	R5705	R5706	R5708	R5709
AWX8658(/KU,/JJ)	non	non	3.3k	3.3k	0	non	non	non	0

PROTECTION DETECT

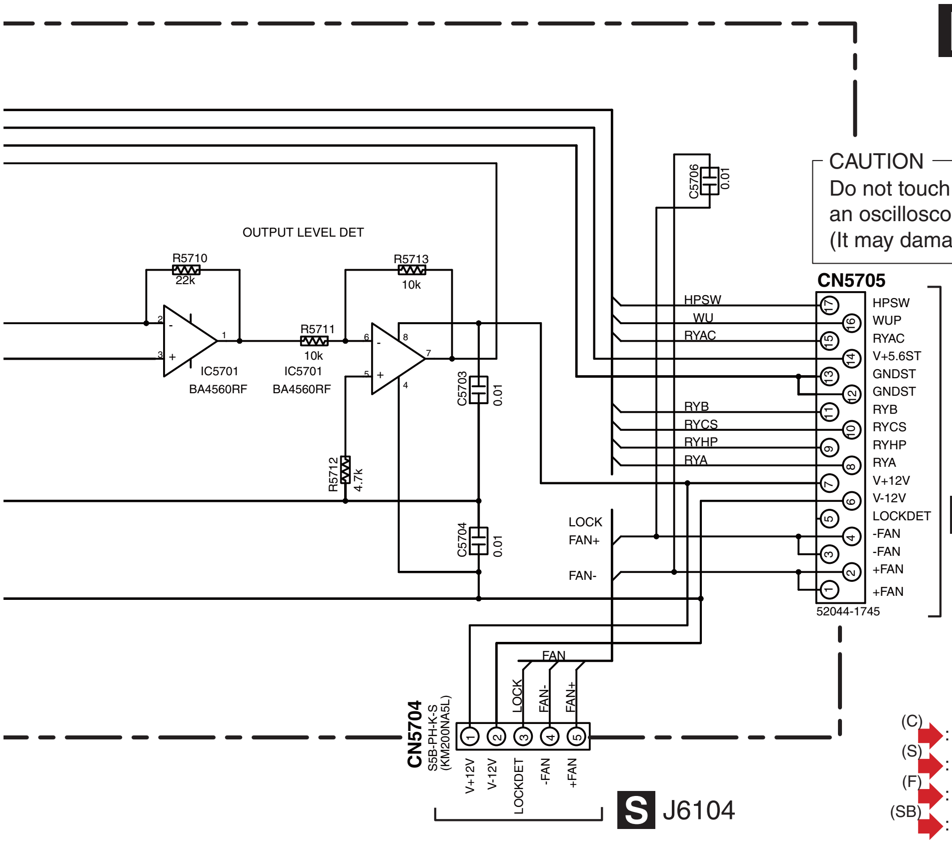
	NORMAL	DETECT
LOCK DET	L	H
OL DET	H	L
DC DET	H	L
TEMP1,2	L	H

O POWER AMP IN ASSY (AWX8662)


R CN5303
AGC b bb CB CE CE CE
CN5606 KP250NA7
CP
R5623 4.7 MUF (1/4W)
D5602-D5604 : 1SS355
R5607 2.0k F
C5607 100/10
D5601 UDZS3R6(B)
R5611 R5610 150 1.2k RN D
2SA1145(OY)
C5623 10/63
C5621 STBY
Q5603 2SA1514K(RS)
Q5604
D5602
D5603
R5608 6.8k
C5605 STBY
C5606 STBY
R5609 47k (1/2W)
C5609 10/100
D5605 UDZS4R7(B)
Q5602 IMT4
C5608CH ACG7057 4p/200
D5606 UDZS4R7(B)
D5604
Q5605 2SC2705(OY)
R5605 1.5k
C5604 1000p
R5606 820
R5612 220
R5632 150
C5632 0.22/16
C5624 10/63
C5622 STBY
C5617 330/10
R5631 150 RN D
R5630 1k RN D
R5629 33k(1/10W) RN D
C5615 CH 22p
C5616 22p CH
MUF (1/4W) 4.7 R5624
C5627 STBY
(C)
R5627 ACN7121 0.18+0.18 (5W+5W)
R5643 470
Q5641 2SA1255(OY)
D5643
R5641 47k
D5641
C5641 NP 2.2/50
R5642 22k
R5644 470
R5645 4.7k
R5647 1.2k
D5642
R5646 4.7k
D5644
R5648 150k
R5650 10k
R5649 10k
Y1(2/2)
ADX7459 (YELLOW)
TO PS/SP ASSY
X CN4003
CN5605 KP250NA7
GAMP b bb CB CE CE CE
Q CN5003

P POWER PROTECT ASSY (AWX8658)

CAUTION
Do not touch any points on the PCB other than CP with an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)


OUTPUT LEVEL DET
R5710 22k
R5713 10k
R5711 10k
IC5701 BA4560RF
IC5701 BA4560RF
R5712 4.7k
C5706 0.01
C5703 0.01
C5704 0.01
HPSW
WU
RYAC
RYB
RYCS
RYHP
RYA
LOCK
FAN+
FAN-
CN5705
HPSW WUP RYAC V+5.6ST GNDST GNDST RYB RYCS RYHP RYA V+12V V-12V LOCKDET -FAN -FAN +FAN +FAN
52044-1745
G CN4403
FAN
LOCK FAN- FAN+
CN5704 S5B-PH-K-S (KM200NA5L)
V+12V V-12V LOCKDET -FAN +FAN
S J6104

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

NOTES
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
F:±1% D:±0.5%
RN:Fixed Metal Film
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB. CH:CCSRCH
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.
3.DIODES
No marked Diodes are 1SS355.
* Parts or parts block marked by "STBY" are standby.

(C) ➡ : AUDIO SIGNAL ROUTE(C)
(S) ➡ : AUDIO SIGNAL ROUTE(S)
(F) ➡ : AUDIO SIGNAL ROUTE(F)
(SB) ➡ : AUDIO SIGNAL ROUTE(SB)

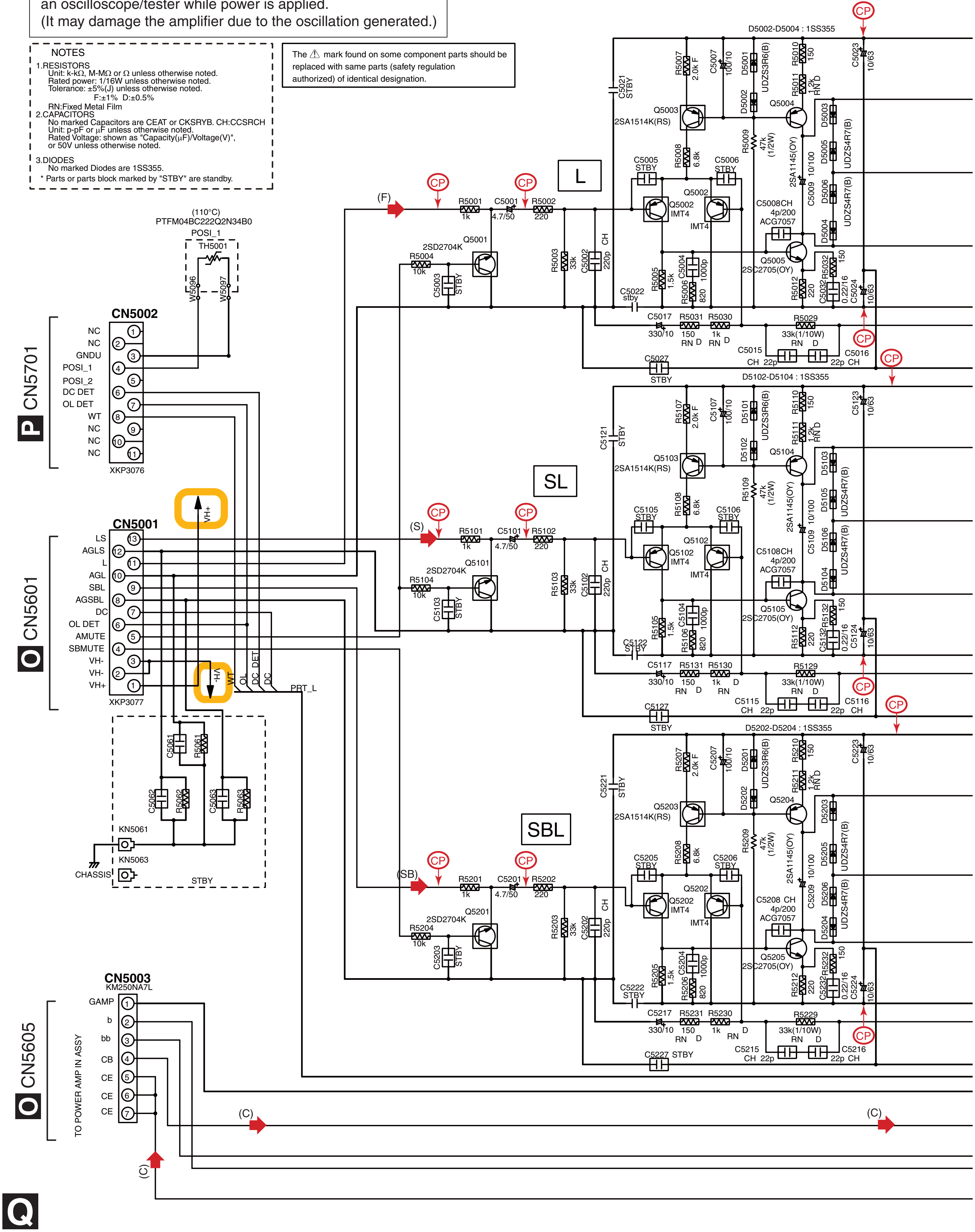
O P

10.24 POWER AMP L ASSY

CAUTION
Do not touch any points on the PCB other than CP with
an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)

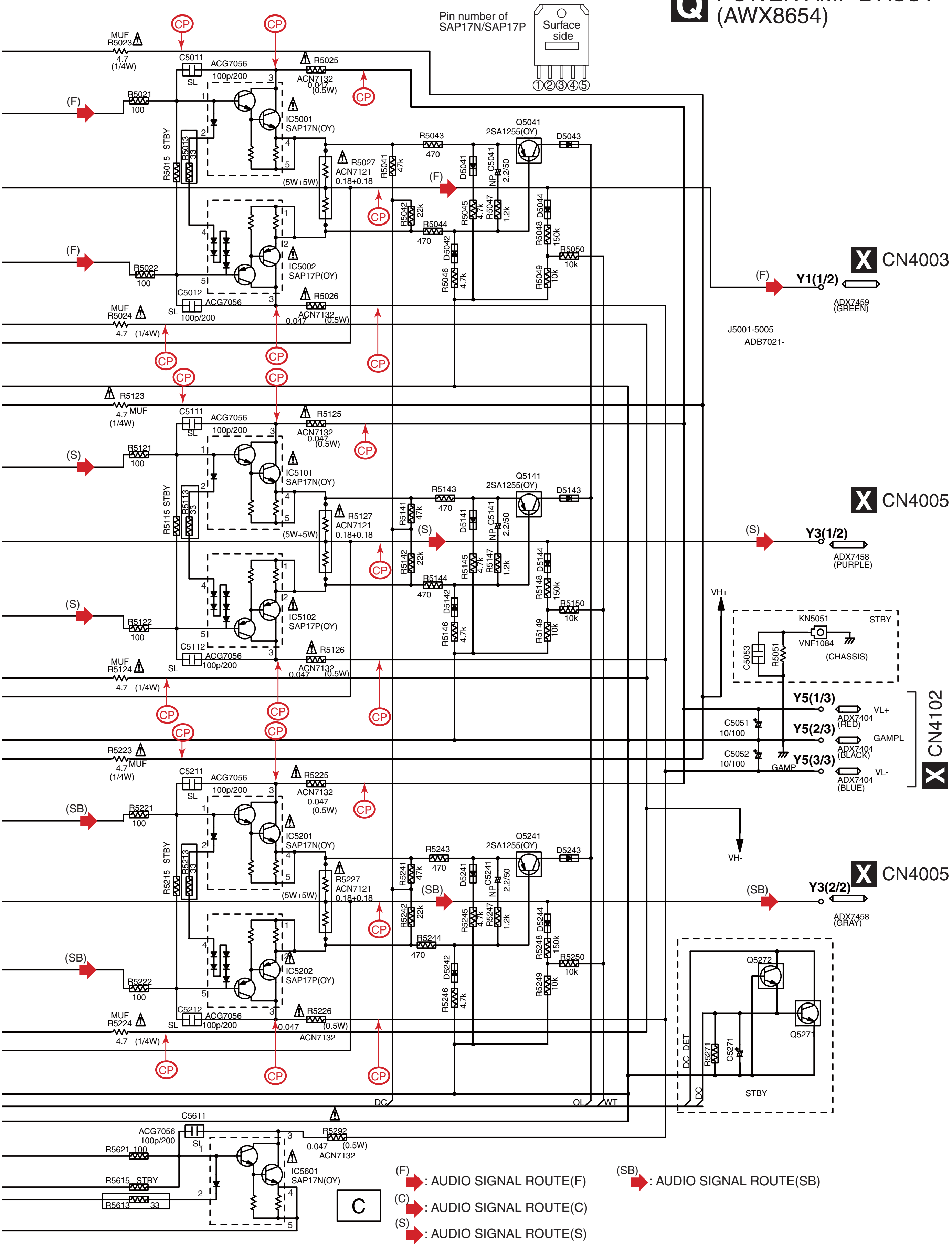
NOTES
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
F:±1% D:±0.5%
RN:Fixed Metal Film
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB. CH:CCSRCH
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)",
or 50V unless otherwise noted.
3.DIODES
No marked Diodes are 1SS355.
* Parts or parts block marked by "STBY" are standby.

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.



A
B
C
D
E
F
P CN5701
O CN5601
O CN5605
Q
CN5002
NC
NC
GNDU
POSI_1
POSI_2
DC DET
OL DET
WT
NC
NC
NC
XKP3076
(110°C)
PTFM04BC222Q2N34B0
POSI_1
TH5001
W5096
W5097
CN5001
LS
AGLS
L
AGL
SBL
AGSBL
DC
OL DET
AMUTE
SBMUTE
VH-
VH-
VH+
XKP3077
VH+
VH-
WT
OL
DC DET
DC
PRT_L
C5061
R5061
C5062
R5062
C5063
R5063
KN5061
KN5063
CHASSIS
STBY
CN5003
KM250NA7L
GAMP
b
bb
CB
CE
CE
CE
TO POWER AMP IN ASSY
(C)
(F)
(S)
(SB)
L
SL
SBL
CP
R5001 1k
C5001 4.7/50
R5002 220
2SD2704K
Q5001
R5004 10k
C5003 STBY
R5003 33k
C5002 220p CH
C5021 STBY
C5022 stby
D5002-D5004 : 1SS355
R5007 2.0k F
C5007 100/10
D5001 UDZS3R6(B)
R5010 150
R5011 1.2k RN D
C5023 10/63
Q5003 2SA1514K(RS)
D5002
Q5004
R5008 6.8k
R5009 47k (1/2W)
2SA1145(OY)
C5009 10/100
D5003
D5005 UDZS4R7(B)
D5006
D5004 UDZS4R7(B)
C5005 STBY
C5006 STBY
Q5002
Q5002 IMT4
IMT4
C5008CH 4p/200 ACG7057
Q5005 2SC2705(OY)
R5005 1.5k
C5004 1000p
R5006 820
R5012 220
R5032 150
C5032 0.22/16
C5024 10/63
C5017 330/10
R5031 150 RN D
R5030 1k RN D
R5029 33k(1/10W) RN D
C5015 CH 22p
C5016 22p CH
C5027 STBY
D5102-D5104 : 1SS355
R5101 1k
C5101 4.7/50
R5102 220
Q5101 2SD2704K
R5104 10k
C5103 STBY
R5103 33k
C5102 220p CH
C5121 STBY
C5122 STBY
R5107 2.0k F
C5107 100/10
D5101 UDZS3R6(B)
R5110 150
R5111 1.2k RN D
C5123 10/63
Q5103 2SA1514K(RS)
D5102
Q5104
R5108 6.8k
R5109 47k (1/2W)
2SA1145(OY)
C5109 10/100
D5103
D5105 UDZS4R7(B)
D5106
D5104 UDZS4R7(B)
C5105 STBY
C5106 STBY
Q5102
Q5102 IMT4
IMT4
C5108CH 4p/200 ACG7057
Q5105 2SC2705(OY)
R5105 1.5k
C5104 1000p
R5106 820
R5112 220
R5132 150
C5132 0.22/16
C5124 10/63
C5117 330/10
R5131 150 RN D
R5130 1k D RN
R5129 33k(1/10W) RN D
C5115 CH 22p
C5116 22p CH
C5127 STBY
D5202-D5204 : 1SS355
R5201 1k
C5201 4.7/50
R5202 220
Q5201 2SD2704K
R5204 10k
C5203 STBY
R5203 33k
C5202 220p CH
C5221 STBY
C5222 STBY
R5207 2.0k F
C5207 100/10
D5201 UDZS3R6(B)
R5210 150
R5211 1.2k RN D
C5223 10/63
Q5203 2SA1514K(RS)
D5202
Q5204
R5208 6.8k
R5209 47k (1/2W)
2SA1145(OY)
C5209 10/100
D5203
D5205 UDZS4R7(B)
D5206
D5204 UDZS4R7(B)
C5205 STBY
C5206 STBY
Q5202
Q5202 IMT4
IMT4
C5208 CH 4p/200 ACG7057
Q5205 2SC2705(OY)
R5205 1.5k
C5204 1000p
R5206 820
R5212 220
R5232 150
C5232 0.22/16
C5224 10/63
C5217 330/10
R5231 150 RN D
R5230 1k D RN
R5229 33k(1/10W) RN D
C5215 CH 22p
C5216 22p CH
C5227 STBY

Q POWER AMP L ASSY
(AWX8654)


Pin number of
SAP17N/SAP17P
Surface side
①②③④⑤
MUF R5023 4.7 (1/4W)
C5011 SL ACG7056 100p/200
R5025 ACN7132 0.047 (0.5W)
CP
(F)
R5021 100
IC5001 SAP17N(OY)
R5015 STBY R5013 33
R5027 ACN7121 0.18+0.18 (5W+5W)
R5041 47k
R5043 470
Q5041 2SA1255(OY)
D5043
D5041 NP C5041 2.2/50
R5042 22k
R5044 470
R5045 4.7k
R5047 1.2k
D5044
R5048 150k
R5050 10k
D5042
R5046 4.7k
R5049 10k
IC5002 SAP17P(OY)
R5022 100
C5012 ACG7056 100p/200 SL
R5026 ACN7132 0.047 (0.5W)
MUF R5024 4.7 (1/4W)
CN4003
Y1(1/2)
ADX7459 (GREEN)
J5001-5005
ADB7021-
R5123 MUF 4.7 (1/4W)
C5111 SL ACG7056 100p/200
R5125 ACN7132 0.047 (0.5W)
(S)
R5121 100
IC5101 SAP17N(OY)
R5115 STBY R5113 33
R5127 ACN7121 0.18+0.18 (5W+5W)
R5141 47k
R5143 470
Q5141 2SA1255(OY)
D5143
D5141 NP C5141 2.2/50
R5142 22k
R5144 470
R5145 4.7k
R5147 1.2k
D5144
R5148 150k
R5150 10k
D5142
R5146 4.7k
R5149 10k
IC5102 SAP17P(OY)
R5122 100
C5112 ACG7056 100p/200 SL
R5126 ACN7132 0.047 (0.5W)
MUF R5124 4.7 (1/4W)
CN4005
Y3(1/2)
ADX7458 (PURPLE)
VH+
KN5051 STBY
VNF1084
(CHASSIS)
C5053
R5051
Y5(1/3) ADX7404 (RED) VL+
Y5(2/3) ADX7404 (BLACK) GAMPL
Y5(3/3) ADX7404 (BLUE) VL-
C5051 10/100
C5052 10/100
GAMP
CN4102
R5223 MUF 4.7 (1/4W)
C5211 SL ACG7056 100p/200
R5225 ACN7132 0.047 (0.5W)
(SB)
R5221 100
IC5201 SAP17N(OY)
R5215 STBY R5213 33
R5227 ACN7121 0.18+0.18 (5W+5W)
R5241 47k
R5243 470
Q5241 2SA1255(OY)
D5243
D5241 NP C5241 2.2/50
VH-
CN4005
Y3(2/2)
ADX7458 (GRAY)
R5242 22k
R5244 470
R5245 4.7k
R5247 1.2k
D5244
R5248 150k
R5250 10k
D5242
R5246 4.7k
R5249 10k
IC5202 SAP17P(OY)
R5222 100
C5212 ACG7056 100p/200 SL
R5226 0.047 (0.5W) ACN7132
MUF R5224 4.7 (1/4W)
Q5272
Q5271
DC_DET
R5271
C5271
DC
STBY
DC
OL
WT
C5611
ACG7056 100p/200
R5621 100
SL
R5292 0.047 (0.5W) ACN7132
IC5601 SAP17N(OY)
R5615 STBY
R5613 33
C

(F) : AUDIO SIGNAL ROUTE(F)

(C) : AUDIO SIGNAL ROUTE(C)

(S) : AUDIO SIGNAL ROUTE(S)

(SB) : AUDIO SIGNAL ROUTE(SB)

10.25 POWER AMP R ASSY

NOTES

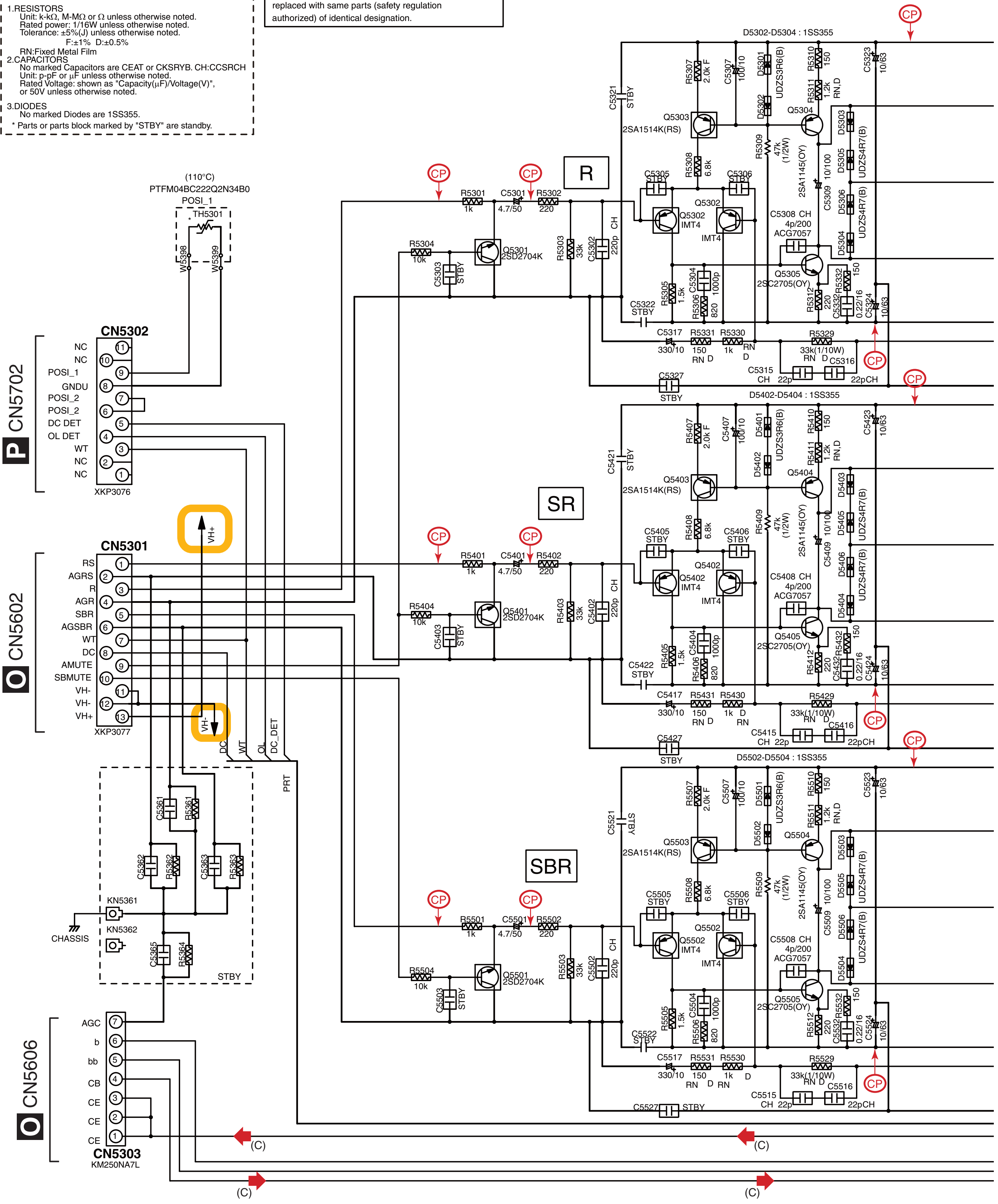
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
F:±1% D:±0.5%
RN:Fixed Metal Film

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB. CH:CCSRCH
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)",
or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS355.

* Parts or parts block marked by "STBY" are standby.

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

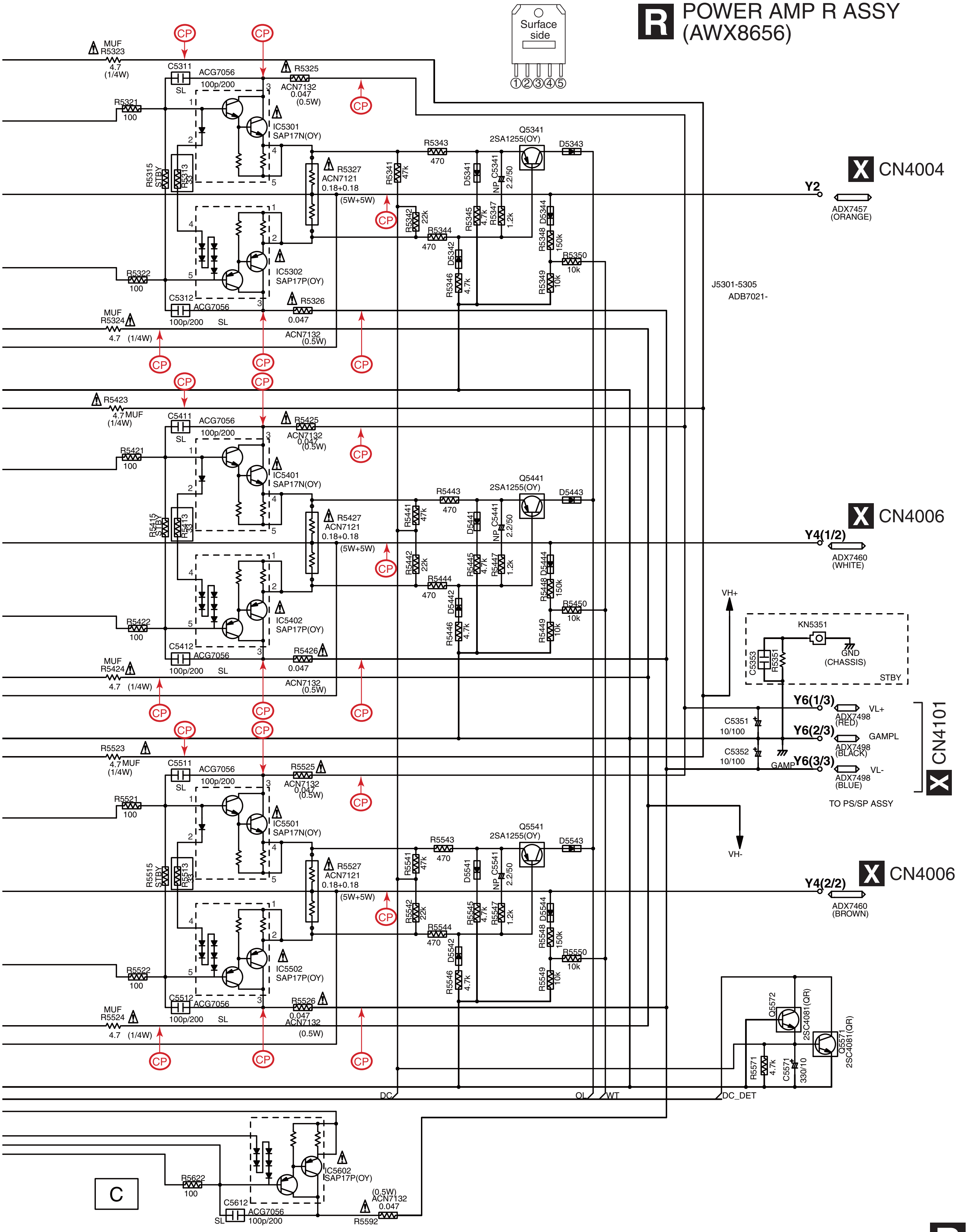


CP
D5302-D5304 : 1SS355
R5307 2.0k F
C5307 100/10
D5301 UDZS3R6(B)
R5310 150
C5323 10/63
C5321 STBY
R5311 1.2k RN,D
D5302
Q5303 2SA1514K(RS)
Q5304
D5303
R5309 47k (1/2W)
2SA1145(OY)
D5305 UDZS4R7(B)
R5308 6.8k
C5305 STBY
C5306 STBY
Q5302
C5309 10/100
D5306 UDZS4R7(B)
R
(110°C)
PTFM04BC222Q2N34B0
POSI_1
TH5301
W5398
W5399
R5301 1k
C5301 4.7/50
R5302 220
Q5302 IMT4
IMT4
C5308 CH 4p/200
ACG7057
D5304
R5304 10k
C5303 STBY
Q5301 2SD2704K
R5303 33k
C5302 220p CH
Q5305 2SC2705(OY)
R5332 150
R5305 1.5k
C5304 1000p
R5306 820
R5312 220
C5332 0.22/16
C5324 10/63
C5322 STBY
C5317 330/10
R5331 150 RN D
R5330 1k RN D
R5329 33k(1/10W) RN D
C5316
C5315 CH 22p
22pCH
C5327 STBY
CN5302
NC
NC
POSI_1
GNDU
POSI_2
POSI_2
DC DET
OL DET
WT
NC
NC
11 10 9 8 7 6 5 4 3 2 1
XKP3076
P CN5702
D5402-D5404 : 1SS355
R5407 2.0k F
C5407 100/10
D5401 UDZS3R6(B)
R5410 150
C5423 10/63
C5421 STBY
R5411 1.2k RN,D
D5402
Q5403 2SA1514K(RS)
Q5404
D5403
SR
R5409 47k (1/2W)
2SA1145(OY)
D5405 UDZS4R7(B)
R5408 6.8k
C5405 STBY
C5406 STBY
C5409 10/100
D5406 UDZS4R7(B)
VH+
CN5301
RS
AGRS
R
AGR
SBR
AGSBR
WT
DC
AMUTE
SBMUTE
VH-
VH-
VH+
1 2 3 4 5 6 7 8 9 10 11 12 13
XKP3077
O CN5602
R5401 1k
C5401 4.7/50
R5402 220
Q5402 IMT4
IMT4
C5408 CH 4p/200
ACG7057
D5404
R5404 10k
C5403 STBY
Q5401 2SD2704K
R5403 33k
C5402 220p CH
Q5405 2SC2705(OY)
R5432 150
R5405 1.5k
C5404 1000p
R5406 820
R5412 220
C5432 0.22/16
C5424 10/63
C5422 STBY
C5417 330/10
R5431 150 RN D
R5430 1k D RN
R5429 33k(1/10W) RN D
C5416
C5415 CH 22p
22pCH
C5427 STBY
VH-
DC
WT
OL
DC_DET
PRT
D5502-D5504 : 1SS355
R5507 2.0k F
C5507 100/10
D5501 UDZS3R6(B)
R5510 150
C5523 10/63
C5521 STBY
R5511 1.2k RN,D
D5502
Q5503 2SA1514K(RS)
Q5504
D5503
SBR
C5361
R5361
C5362
R5362
C5363
R5363
R5509 47k (1/2W)
2SA1145(OY)
D5505 UDZS4R7(B)
R5508 6.8k
C5505 STBY
C5506 STBY
C5509 10/100
D5506 UDZS4R7(B)
KN5361
CHASSIS
KN5362
C5365
R5364
STBY
R5501 1k
C5501 4.7/50
R5502 220
Q5502 IMT4
IMT4
C5508 CH 4p/200
ACG7057
D5504
R5504 10k
C5503 STBY
Q5501 2SD2704K
R5503 33k
C5502 220p CH
Q5505 2SC2705(OY)
R5532 150
R5505 1.5k
C5504 1000p
R5506 820
R5512 220
C5532 0.22/16
C5524 10/63
C5522 STBY
C5517 330/10
R5531 150 RN D
R5530 1k RN D
R5529 33k(1/10W) RN D
C5516
C5515 CH 22p
22pCH
C5527 STBY
AGC
b
bb
CB
CE
CE
CE
7 6 5 4 3 2 1
O CN5606
CN5303
KM250NA7L
(C)
(C)
(C)
(C)

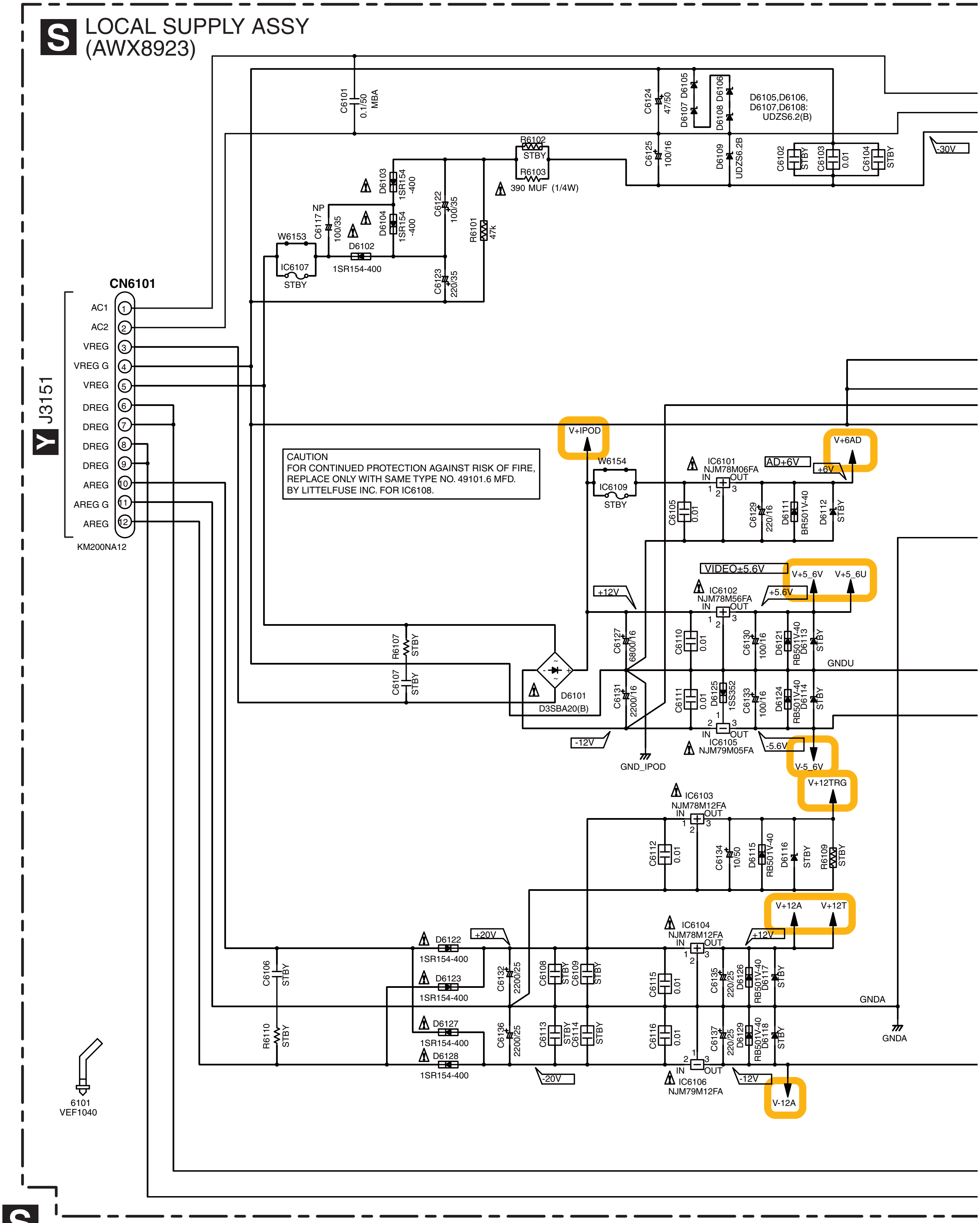
CAUTION
Do not touch any points on the PCB other than CP with an oscilloscope/tester while power is applied.
(It may damage the amplifier due to the oscillation generated.)

(C) ➡ : AUDIO SIGNAL ROUTE(C)

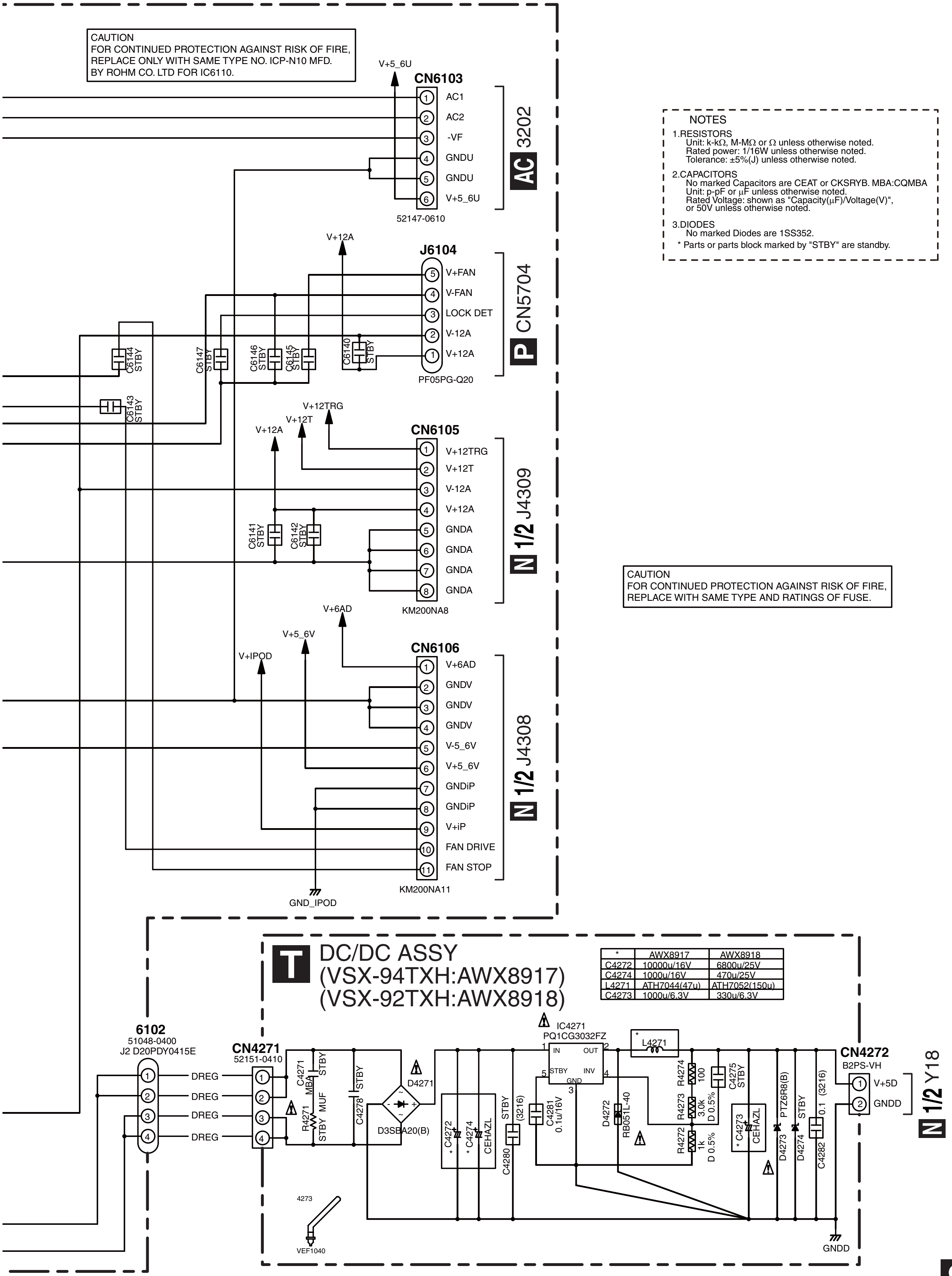
R POWER AMP R ASSY (AWX8656)


Surface side
①②③④⑤
MUF
R5323
4.7
(1/4W)
CP
C5311
ACG7056
100p/200
SL
R5325
ACN7132
0.047
(0.5W)
R5321
100
IC5301
SAP17N(OY)
R5315
STBY
R5313
33
R5327
ACN7121
0.18+0.18
(5W+5W)
R5341
47k
R5343
470
D5341
NP C5341
2.2/50
Q5341
2SA1255(OY)
D5343
X CN4004
Y2
ADX7457
(ORANGE)
R5342
22k
R5344
470
R5345
4.7k
R5347
1.2k
D5344
R5348
150k
D5342
R5350
10k
IC5302
SAP17P(OY)
R5322
100
R5346
4.7k
R5349
10k
J5301-5305
ADB7021-
C5312
ACG7056
100p/200
SL
R5326
0.047
ACN7132
(0.5W)
MUF
R5324
4.7 (1/4W)
R5423
4.7MUF
(1/4W)
C5411
ACG7056
100p/200
SL
R5425
ACN7132
0.047
(0.5W)
R5421
100
IC5401
SAP17N(OY)
R5415
STBY
R5413
33
R5427
ACN7121
0.18+0.18
(5W+5W)
R5441
47k
R5443
470
D5441
NP C5441
2.2/50
Q5441
2SA1255(OY)
D5443
X CN4006
Y4(1/2)
ADX7460
(WHITE)
R5442
22k
R5444
470
R5445
4.7k
R5447
1.2k
D5444
R5448
150k
D5442
R5450
10k
IC5402
SAP17P(OY)
R5422
100
R5446
4.7k
R5449
10k
VH+
KN5351
GND
(CHASSIS)
STBY
C5353
R5351
C5412
ACG7056
100p/200
SL
R5426
0.047
ACN7132
(0.5W)
MUF
R5424
4.7 (1/4W)
Y6(1/3)
ADX7498
(RED)
VL+
C5351
10/100
Y6(2/3)
ADX7498
(BLACK)
GAMPL
C5352
10/100
GAMP
Y6(3/3)
ADX7498
(BLUE)
VL-
X CN4101
TO PS/SP ASSY
R5523
4.7MUF
(1/4W)
C5511
ACG7056
100p/200
SL
R5525
ACN7132
0.047
(0.5W)
R5521
100
IC5501
SAP17N(OY)
VH-
R5515
STBY
R5513
33
R5527
ACN7121
0.18+0.18
(5W+5W)
R5541
47k
R5543
470
D5541
NP C5541
2.2/50
Q5541
2SA1255(OY)
D5543
X CN4006
Y4(2/2)
ADX7460
(BROWN)
R5542
22k
R5544
470
R5545
4.7k
R5547
1.2k
D5544
R5548
150k
D5542
R5550
10k
IC5502
SAP17P(OY)
R5522
100
R5546
4.7k
R5549
10k
C5512
ACG7056
100p/200
SL
R5526
0.047
ACN7132
(0.5W)
MUF
R5524
4.7 (1/4W)
Q5572
2SC4081(QR)
Q5571
2SC4081(QR)
R5571
4.7k
C5571
330/10
DC
OL
WT
DC_DET
IC5602
SAP17P(OY)
R5622
100
C
C5612
SL
ACG7056
100p/200
(0.5W)
ACN7132
0.047
R5592

10.26 LOCAL SUPPLY and DC/DC ASSYS


S
LOCAL SUPPLY ASSY
(AWX8923)
Y J3151
CN6101
AC1 1
AC2 2
VREG 3
VREG G 4
VREG 5
DREG 6
DREG 7
DREG 8
DREG 9
AREG 10
AREG G 11
AREG 12
KM200NA12
C6101 0.1/50 MBA
C6124 47/50
D6107 D6105
D6108 D6106
D6105,D6106, D6107,D6108: UDZS6.2(B)
C6125 100/16
D6109 UDZS6.2B
C6102 STBY
C6103 0.01
C6104 STBY
-30V
R6102 STBY
R6103 390 MUF (1/4W)
D6103 1SR154 -400
D6104 1SR154 -400
C6122 100/35
R6101 47k
NP
C6117 100/35
W6153
D6102 1SR154-400
IC6107 STBY
C6123 220/35
V+IPOD
W6154
IC6109 STBY
IC6101 NJM78M06FA
IN OUT 1 2 3
AD+6V
+6V
V+6AD
C6105 0.01
C6129 220/16
D6111 BR501V-40
D6112 STBY
VIDEO+5.6V
V+5_6V V+5_6U
+12V
IC6102 NJM78M56FA
+5.6V
C6127 6800/16
C6110 0.01
C6130 100/16
D6121 RB501V-40 D6113
STBY
GNDU
R6107 STBY
C6107 STBY
D6101 D3SBA20(B)
C6131 2200/16
C6111 0.01
D6125 1SS352
C6133 100/16
D6124 RB501V-40 D6114
STBY
-12V
IC6105 NJM79M05FA
-5.6V
V-5_6V
GND_IPOD
V+12TRG
IC6103 NJM78M12FA
C6112 0.01
C6134 10/50
D6115 RB501V-40
D6116 STBY
R6109 STBY
V+12A V+12T
IC6104 NJM78M12FA
+12V
D6122 1SR154-400
+20V
D6123 1SR154-400
C6106 STBY
C6132 2200/25
C6108 STBY
C6109 STBY
C6115 0.01
C6135 220/25
D6126 RB501V-40 D6117
STBY
GNDA
R6110 STBY
D6127 1SR154-400
D6128 1SR154-400
C6136 2200/25
C6113 STBY
C6114 STBY
C6116 0.01
C6137 220/25
D6129 RB501V-40 D6118
STBY
-20V
IC6106 NJM79M12FA
-12V
V-12A
6101 VEF1040
S

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE NO. 49101.6 MFD.
BY LITTELFUSE INC. FOR IC6108.



CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE ONLY WITH SAME TYPE NO. ICP-N10 MFD.
BY ROHM CO. LTD FOR IC6110.

NOTES
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB. MBA:CQMBA
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)",
or 50V unless otherwise noted.
3.DIODES
No marked Diodes are 1SS352.
* Parts or parts block marked by "STBY" are standby.

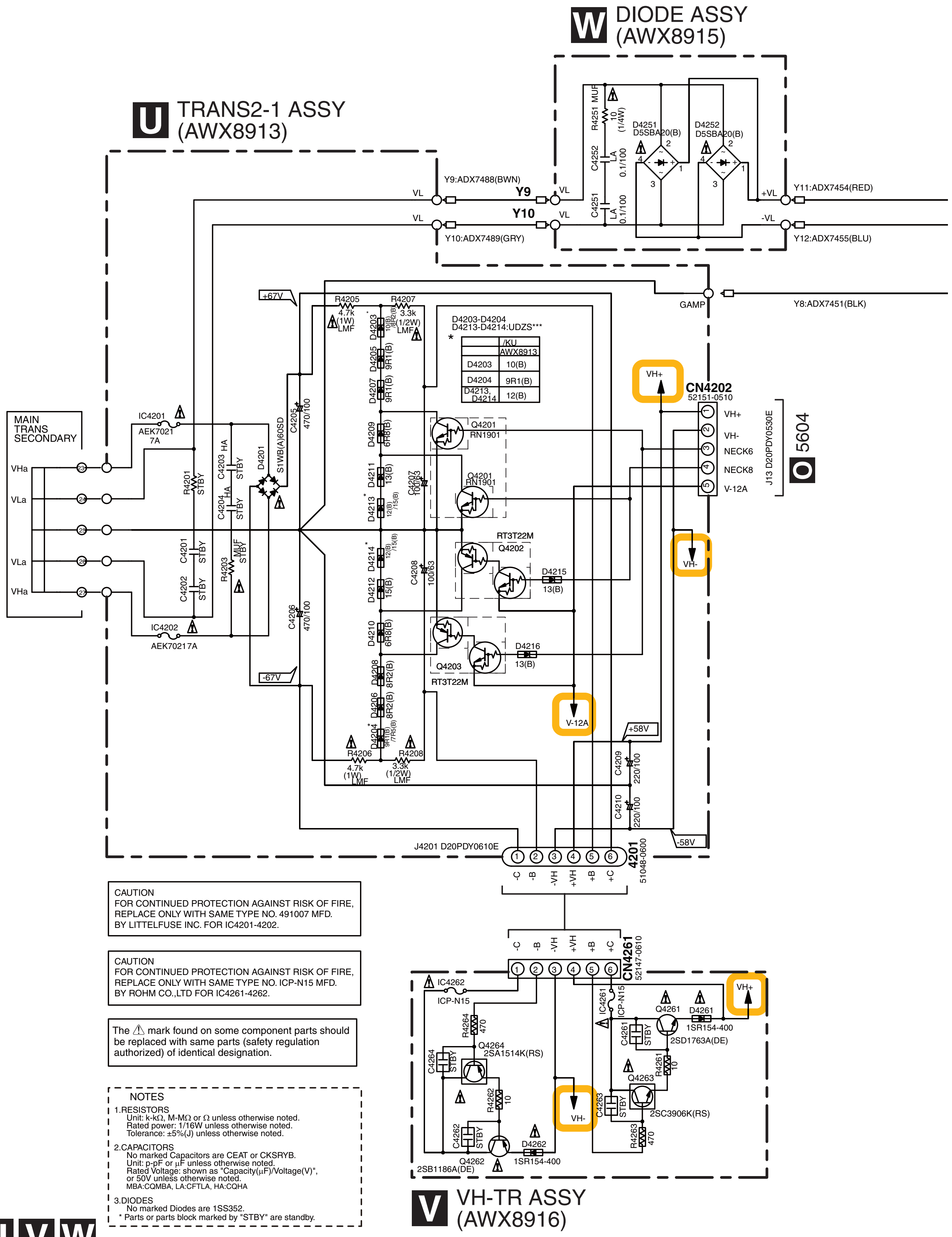
CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

T DC/DC ASSY
(VSX-94TXH:AWX8917)
(VSX-92TXH:AWX8918)

*	AWX8917	AWX8918
C4272	10000u/16V	6800u/25V
C4274	1000u/16V	470u/25V
L4271	ATH7044(47u)	ATH7052(150u)
C4273	1000u/6.3V	330u/6.3V

V+5_6U
CN6103
AC1
AC2
-VF
GNDU
GNDU
V+5_6U
52147-0610
AC 3202
V+12A
J6104
V+FAN
V-FAN
LOCK DET
V-12A
V+12A
PF05PG-Q20
P CN5704
C6144 STBY
C6147 STBY
C6146 STBY
C6145 STBY
C6140 STBY
C6143 STBY
V+12TRG
V+12T
V+12A
CN6105
V+12TRG
V+12T
V-12A
V+12A
GNDA
GNDA
GNDA
GNDA
KM200NA8
C6141 STBY
C6142 STBY
N 1/2 J4309
V+6AD
V+5_6V
V+IPOD
CN6106
V+6AD
GNDV
GNDV
GNDV
V-5_6V
V+5_6V
GNDiP
GNDiP
V+iP
FAN DRIVE
FAN STOP
KM200NA11
GND_IPOD
N 1/2 J4308
6102
51048-0400
J2 D20PDY0415E
DREG
DREG
DREG
DREG
CN4271
52151-0410
C4271 MBA STBY
R4271 STBY MUF
C4278 STBY
D4271
D3SBA20(B)
* C4272
* C4274
CEHAZL
C4280 STBY (3216)
IC4271
PQ1CG3032FZ
IN
OUT
STBY
INV
GND
C4281 0.1u/16V
D4272 RB051L-40
* L4271
R4274 100
R4273 3.0k D 0.5%
R4272 1k D 0.5%
C4275 STBY
* C4273 CEHAZL
D4273 PTZ6R8(B)
D4274 STBY
C4282 0.1 (3216)
CN4272
B2PS-VH
V+5D
GNDD
GNDD
N 1/2 Y18
4273
VEF1040

10.27 TRANS2-1, VH-TR, DIODE and SP/PS ASSYS


W DIODE ASSY
(AWX8915)
U TRANS2-1 ASSY
(AWX8913)
V VH-TR ASSY
(AWX8916)
R4251 MUF
10
(1/4W)
C4252 LA 0.1/100
C4251 LA 0.1/100
D4251
D5SBA20(B)
D4252
D5SBA20(B)
Y9:ADX7488(BWN)
Y9
Y10
Y10:ADX7489(GRY)
VL
+VL
-VL
Y11:ADX7454(RED)
Y12:ADX7455(BLU)
GAMP
Y8:ADX7451(BLK)
+67V
-67V
R4205 4.7k (1W) LMF
R4207 3.3k (1/2W) LMF
R4206 4.7k (1W) LMF
R4208 3.3k (1/2W) LMF
D4203-D4204
D4213-D4214:UDZS***
/KU AWX8913
D4203 10(B)
D4204 9R1(B)
D4213, D4214 12(B)
D4205 9R1(B)
D4207 9R1(B)
D4209 6R8(B)
D4211 13(B)
D4213 12(B) /15(B)
D4214 12(B) /15(B)
D4212 15(B)
D4210 6R8(B)
D4208 8R2(B)
D4206 8R2(B)
D4204 9R1(B) /7R5(B)
C4205 470/100
C4206 470/100
C4207 100/63
C4208 100/63
S1WB(A)60SD
D4201
Q4201 RN1901
Q4201 RN1901
RT3T22M Q4202
D4215 13(B)
D4216 13(B)
Q4203 RT3T22M
MAIN TRANS SECONDARY
VHa
VLa
IC4201 AEK7021 7A
IC4202 AEK70217A
R4201 STBY
C4203 HA STBY
C4204 HA STBY
C4201 STBY
C4202 STBY
R4203 MUF STBY
VH+
VH-
V-12A
CN4202
52151-0510
VH+
VH-
NECK6
NECK8
V-12A
J13 D20PDY0530E
O 5604
+58V
-58V
C4209 220/100
C4210 220/100
J4201 D20PDY0610E
4201
51048-0600
-C -B -VH +VH +B +C
CN4261
52147-0610
IC4262 ICP-N15
R4264 470
Q4264 2SA1514K(RS)
C4264 STBY
R4262 10
C4262 STBY
Q4262 2SB1186A(DE)
D4262 1SR154-400
IC4261 ICP-N15
C4261 STBY
Q4261
D4261 1SR154-400
2SD1763A(DE)
R4261 10
Q4263
2SC3906K(RS)
C4263 STBY
R4263 470

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. 491007 MFD. BY LITTELFUSE INC. FOR IC4201-4202.

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. ICP-N15 MFD. BY ROHM CO.,LTD FOR IC4261-4262.

The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

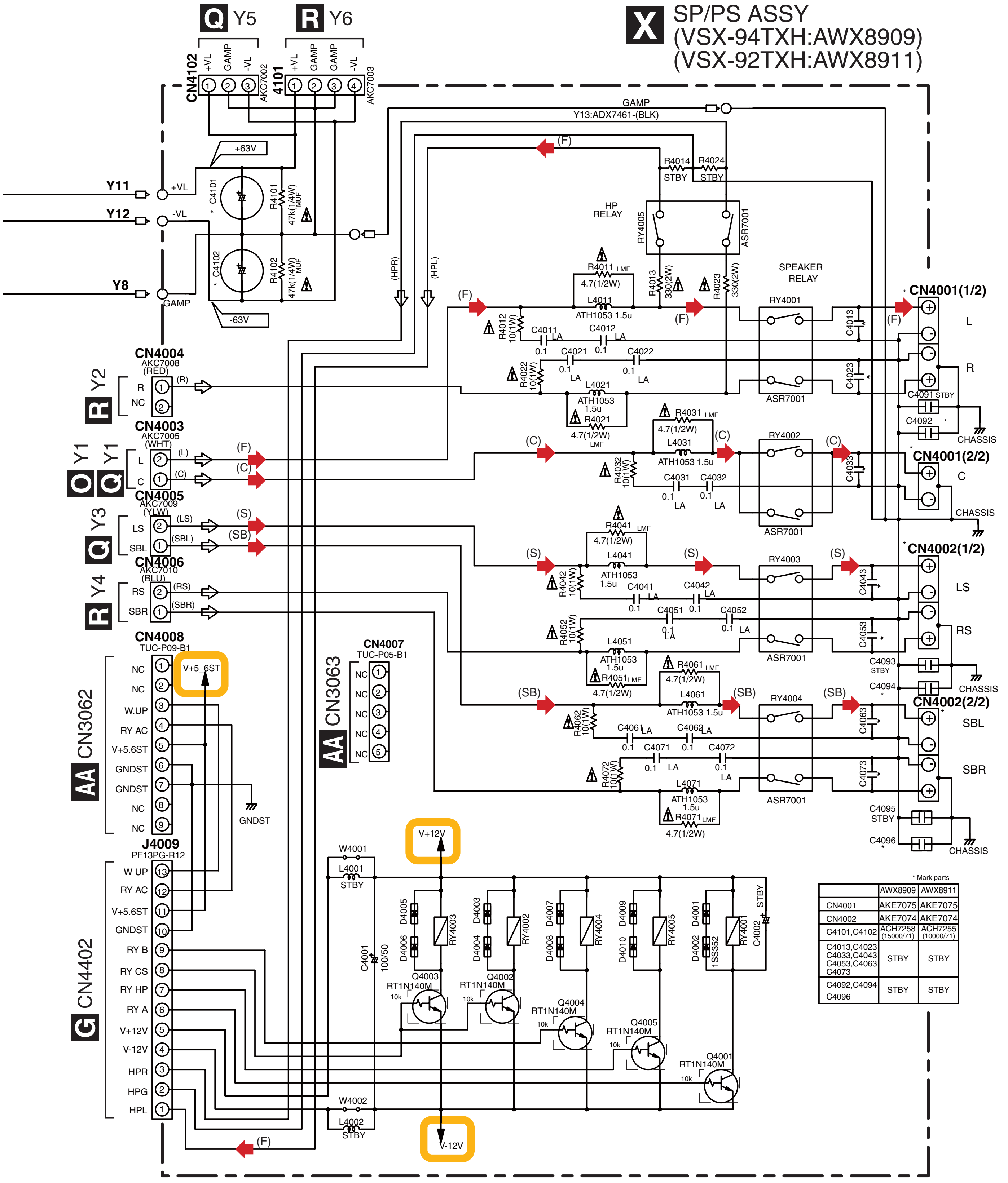
NOTES

1.RESISTORS
   Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
   Rated power: 1/16W unless otherwise noted.
   Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
   No marked Capacitors are CEAT or CKSRYB.
   Unit: p-pF or µF unless otherwise noted.
   Rated Voltage: shown as "Capacity(µF)/Voltage(V)", or 50V unless otherwise noted.
   MBA:CQMBA, LA:CFTLA, HA:CQHA

3.DIODES
   No marked Diodes are 1SS352.
* Parts or parts block marked by "STBY" are standby.

X SP/PS ASSY
(VSX-94TXH:AWX8909)
(VSX-92TXH:AWX8911)



Q Y5
R Y6
CN4102
+VL
GAMP
-VL
AKC7002
4101
+VL
GAMP
GAMP
-VL
AKC7003
GAMP
Y13:ADX7461-(BLK)
(F)
R4014
R4024
STBY
STBY
HP RELAY
RY4005
ASR7001
+63V
Y11
+VL
Y12
-VL
Y8
GAMP
C4101
R4101 47k(1/4W) MUF
C4102
R4102 47k(1/4W) MUF
-63V
(HPR)
(HPL)
R4011 LMF
4.7(1/2W)
L4011
ATH1053 1.5u
R4013 330(2W)
R4023 330(2W)
SPEAKER RELAY
RY4001
CN4001(1/2)
L
R
R4012 10(1W)
C4011 0.1 LA
C4012 0.1 LA
C4021 0.1 LA
C4022 0.1 LA
R4022 10(1W)
L4021
ATH1053 1.5u
R4021 4.7(1/2W) LMF
C4013
C4023
ASR7001
C4091 STBY
C4092
CHASSIS
CN4004 AKC7008 (RED)
R Y2
R
NC
(R)
CN4003 AKC7005 (WHT)
O Y1
Q Y1
L
C
(L)
(C)
(C)
R4031 LMF
4.7(1/2W)
L4031
ATH1053 1.5u
R4032 10(1W)
C4031 0.1 LA
C4032 0.1 LA
RY4002
C4033
ASR7001
CN4001(2/2)
C
CHASSIS
CN4005 AKC7009 (YLW)
Q Y3
LS
SBL
(LS)
(SBL)
(S)
(SB)
CN4006 AKC7010 (BLU)
R Y4
RS
SBR
(RS)
(SBR)
R4041 LMF
4.7(1/2W)
L4041
ATH1053 1.5u
R4042 10(1W)
C4041 0.1 LA
C4042 0.1 LA
C4051 0.1 LA
C4052 0.1 LA
R4052 10(1W)
L4051
ATH1053 1.5u
R4051 LMF 4.7(1/2W)
RY4003
C4043
C4053
ASR7001
CN4002(1/2)
LS
RS
C4093 STBY
C4094
CHASSIS
R4061 LMF
4.7(1/2W)
L4061
ATH1053 1.5u
R4062 10(1W)
C4061 0.1 LA
C4062 0.1 LA
C4071 0.1 LA
C4072 0.1 LA
R4072 10(1W)
L4071
ATH1053 1.5u
R4071 LMF
4.7(1/2W)
RY4004
C4063
C4073
ASR7001
CN4002(2/2)
SBL
SBR
C4095 STBY
C4096
CHASSIS
CN4008 TUC-P09-B1
AA CN3062
NC
NC
W.UP
RY AC
V+5.6ST
GNDST
GNDST
NC
NC
V+5_6ST
GNDST
CN4007 TUC-P05-B1
AA CN3063
NC
NC
NC
NC
NC
J4009 PF13PG-R12
G CN4402
W UP
RY AC
V+5.6ST
GNDST
RY B
RY CS
RY HP
RY A
V+12V
V-12V
HPR
HPG
HPL
W4001
L4001 STBY
V+12V
C4001 100/50
D4005
D4006
RY4003
D4003
D4004
RY4002
D4007
D4008
RY4004
D4009
D4010
RY4005
D4001
D4002 1SS352
RY4001
STBY
C4002
Q4003 RT1N140M 10k
Q4002 RT1N140M 10k
Q4004 RT1N140M 10k
Q4005 RT1N140M 10k
Q4001 RT1N140M 10k
W4002
L4002 STBY
V-12V
(F)
5
6
7
8
A
B
C
D
E
F

* Mark parts

	AWX8909	AWX8911
CN4001	AKE7075	AKE7075
CN4002	AKE7074	AKE7074
C4101,C4102	ACH7258 (15000/71)	ACH7255 (10000/71)
C4013,C4023 C4033,C4043 C4053,C4063 C4073	STBY	STBY
C4092,C4094 C4096	STBY	STBY

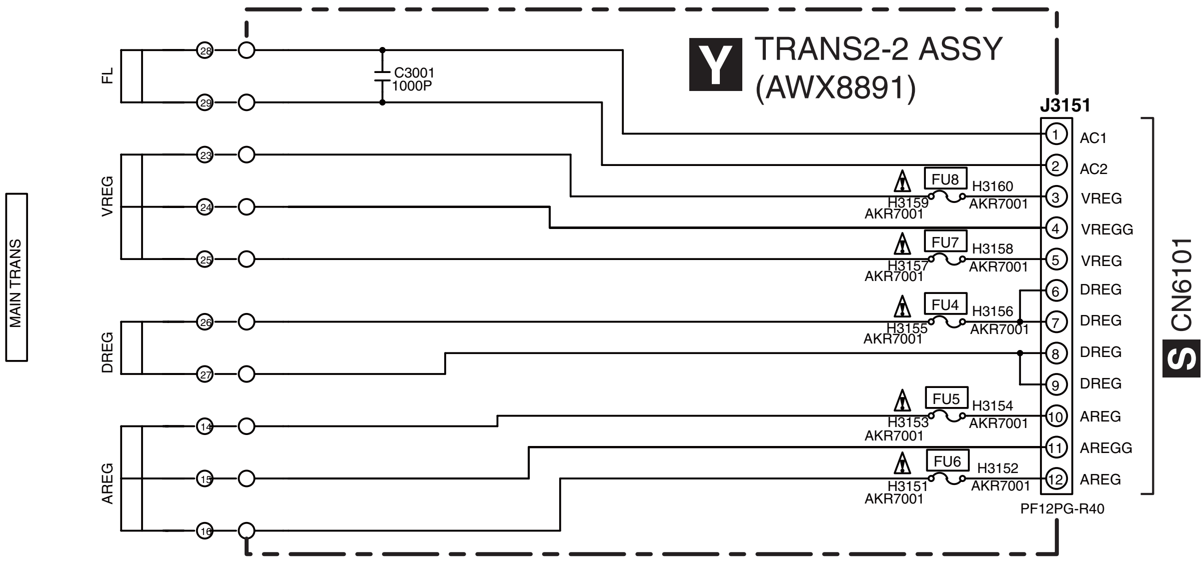
(F) : AUDIO SIGNAL ROUTE (F)

(C) : AUDIO SIGNAL ROUTE (C)

(S) : AUDIO SIGNAL ROUTE (S)

(SB) : AUDIO SIGNAL ROUTE (SB)

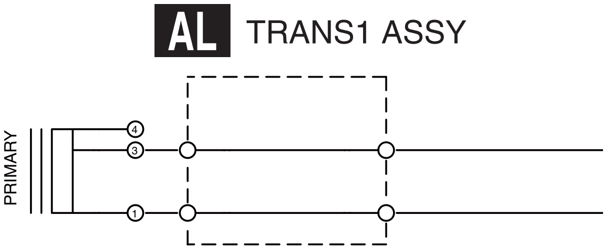
10.28 TRANS2-2, TRANS1 and PRIMARY ASSYS


Y
TRANS2-2 ASSY
(AWX8891)
MAIN TRANS
FL
VREG
DREG
AREG
28
29
23
24
25
26
27
14
15
16
C3001
1000P
J3151
1 AC1
2 AC2
3 VREG
4 VREGG
5 VREG
6 DREG
7 DREG
8 DREG
9 DREG
10 AREG
11 AREGG
12 AREG
FU8
H3159
AKR7001
H3160
AKR7001
FU7
H3157
AKR7001
H3158
AKR7001
FU4
H3155
AKR7001
H3156
AKR7001
FU5
H3153
AKR7001
H3154
AKR7001
FU6
H3151
AKR7001
H3152
AKR7001
PF12PG-R40
S
CN6101

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

⚠

	FU4	FU5,6	FU7,8
KU/CA	REK1067 (5A/125V)	REK1143 (1.25A/125V)	REK1146 (2.5A/125V)


AL
TRANS1 ASSY
PRIMARY
4
3
1

CAUTION
FOR CONTINUED PROTECTION AGAINST RISK OF FIRE,
REPLACE WITH SAME TYPE AND RATINGS OF FUSE.

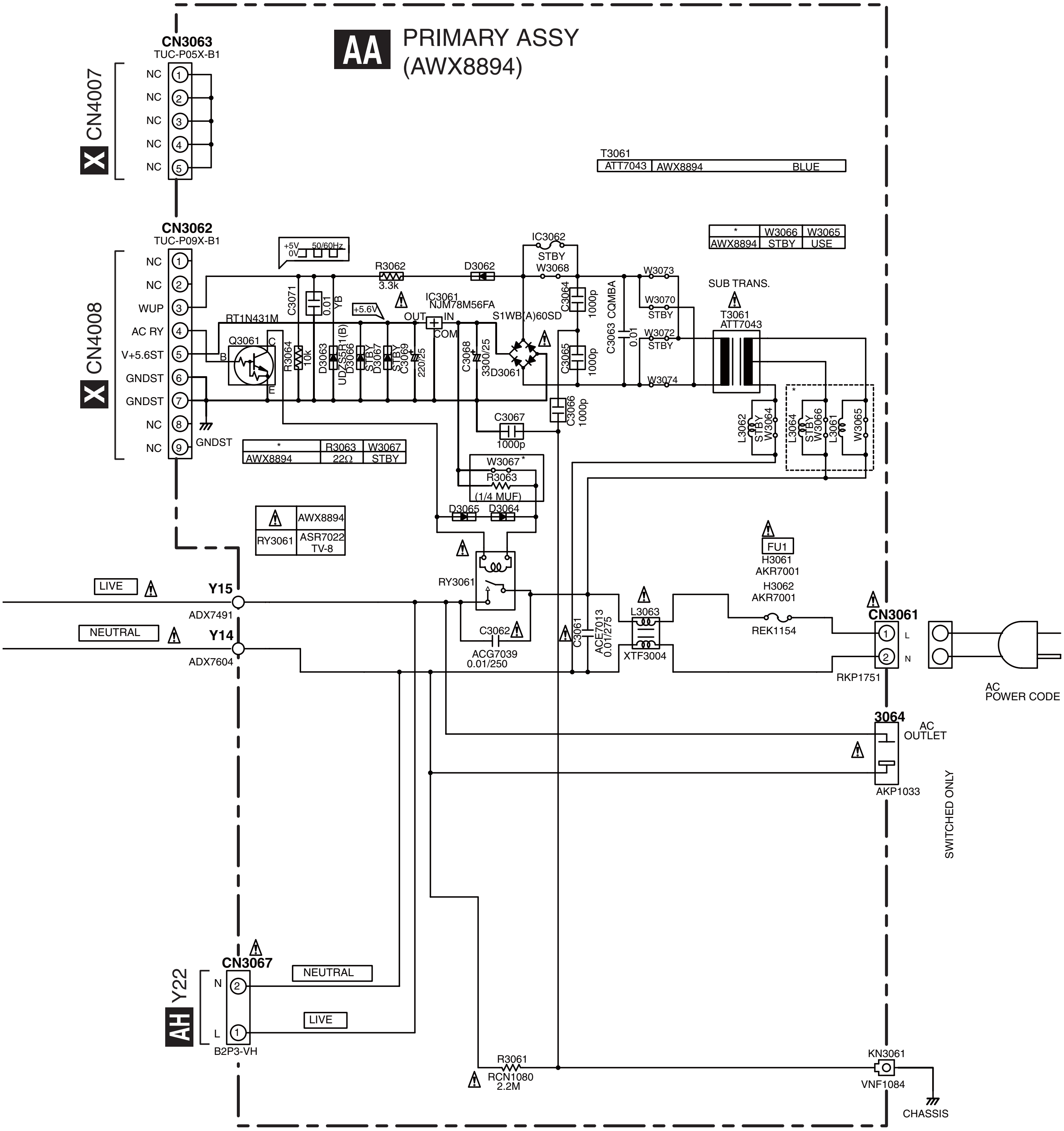
NOTES

1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.

2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or µF unless otherwise noted.
Rated Voltage: shown as "Capacity(µF)/Voltage(V)",
or 50V unless otherwise noted.

3.DIODES
No marked Diodes are 1SS352.

* Parts or parts block marked by "STBY" are standby.


AA PRIMARY ASSY
(AWX8894)
CN3063
TUC-P05X-B1
X CN4007
NC ① NC ② NC ③ NC ④ NC ⑤
CN3062
TUC-P09X-B1
X CN4008
NC ① NC ② WUP ③ AC RY ④ V+5.6ST ⑤ GNDST ⑥ GNDST ⑦ NC ⑧ NC ⑨
GNDST
RT1N431M
Q3061
R3064 10k
C3071
0.01 YB
D3063 UDZS5R1(B)
D3066 STBY
D3067 STBY
C3069 220/25
+5V 0V 50/60Hz
+5.6V
R3062 3.3k
D3062
IC3061 NJM78M56FA
OUT IN COM
C3068 3300/25
S1WB(A)60SD
D3061
IC3062 STBY W3068
C3064 1000p
C3065 1000p
C3063 CQMBA 0.01
W3073
W3070 STBY
W3072 STBY
W3074
SUB TRANS.
T3061 ATT7043
T3061 | ATT7043 | AWX8894 | BLUE
* | W3066 | W3065
AWX8894 | STBY | USE
C3066 1000p
C3067 1000p
L3062 STBY W3064
L3064 STBY W3066
L3061 W3065
* | R3063 | W3067
AWX8894 | 22Ω | STBY
W3067 *
R3063 (1/4 MUF)
D3065 D3064
AWX8894
RY3061 | ASR7022 TV-8
RY3061
LIVE Y15 ADX7491
NEUTRAL Y14 ADX7604
C3062 ACG7039 0.01/250
C3061
ACE7013 0.01/275
L3063 XTF3004
FU1
H3061 AKR7001
H3062 AKR7001
REK1154
CN3061 ① L ② N
RKP1751
AC POWER CODE
3064 AC OUTLET
AKP1033
SWITCHED ONLY
CN3067
AH Y22
N ② L ①
B2P3-VH
NEUTRAL
LIVE
R3061 RCN1080 2.2M
KN3061 VNF1084
CHASSIS
A B C D E F

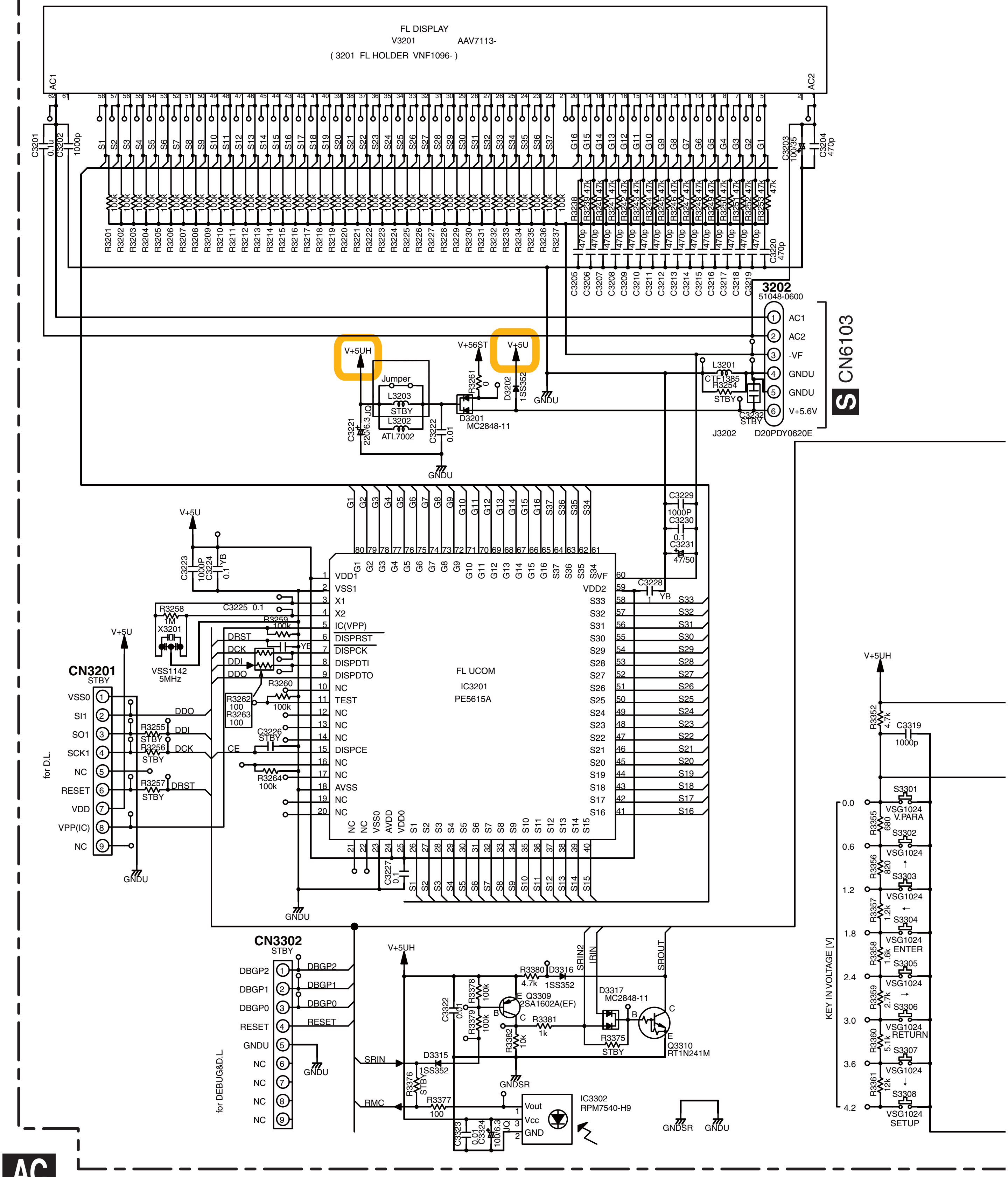
The ⚠ mark found on some component parts should be replaced with same parts (safety regulation authorized) of identical designation.

10.29 VOLUME, DISPLAY, POWER SW and INPUT SELECT ASSYS

AC DISPLAY ASSY
(AWX8900)

Switches

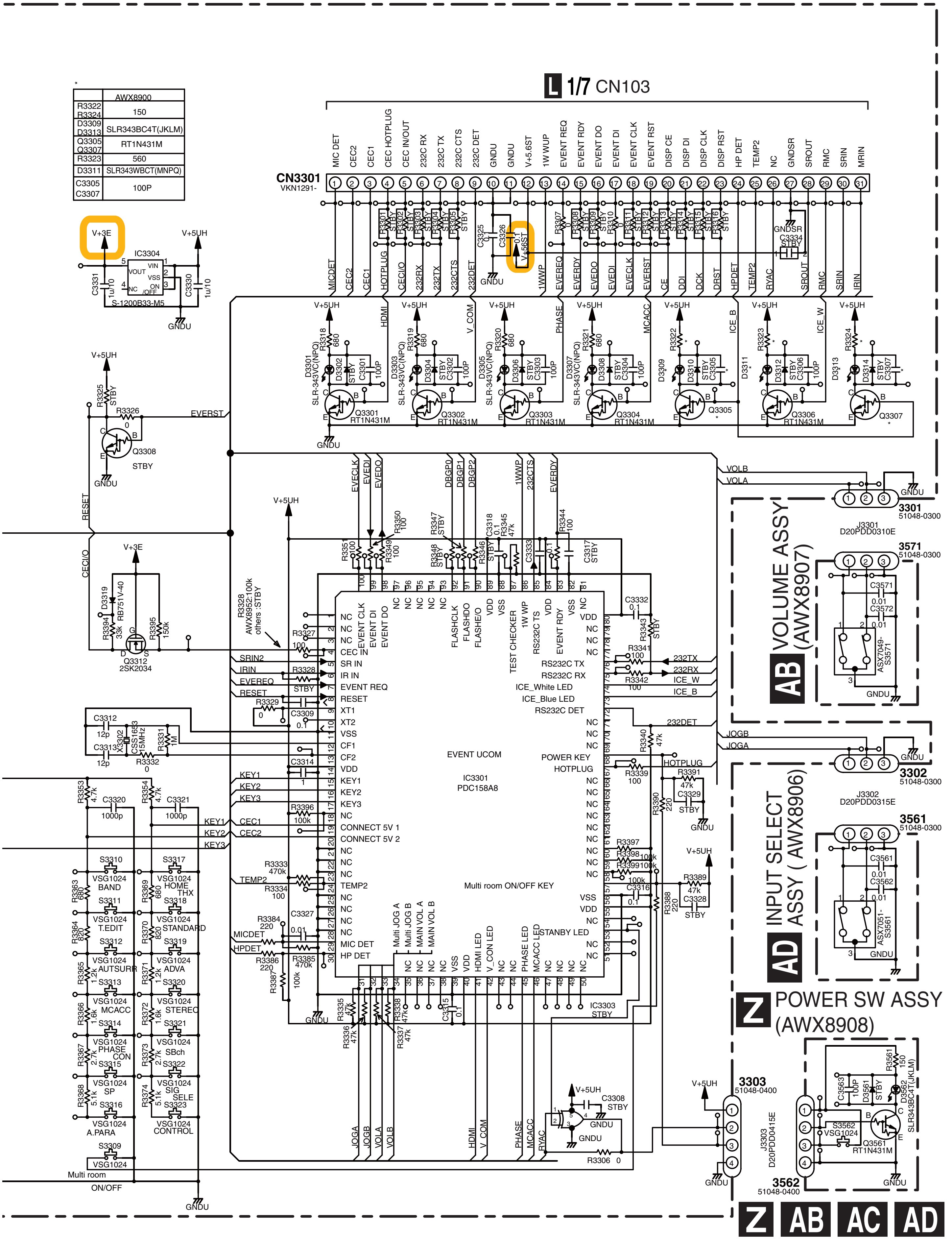
S3301 : V.PARA
S3302 : ⬆
S3303 : ⬅
S3304 : ENTER
S3305 : ➡
S3306 : RETURN
S3307 : ⬇
S3308 : SETUP
S3309 : MULTI ROOM
S3310 : BAND
S3311 : T.EDIT
S3312 : AUTSURR
S3313 : MCACC
S3314 : PHASE CON
S3315 : SP
S3316 : A.PARA
S3317 : HOME
S3318 : STANDARD
S3319 : ADVA
S3320 : STEREO
S3321 : SBch
S3322 : SIG SELE
S3323 : CONTROL



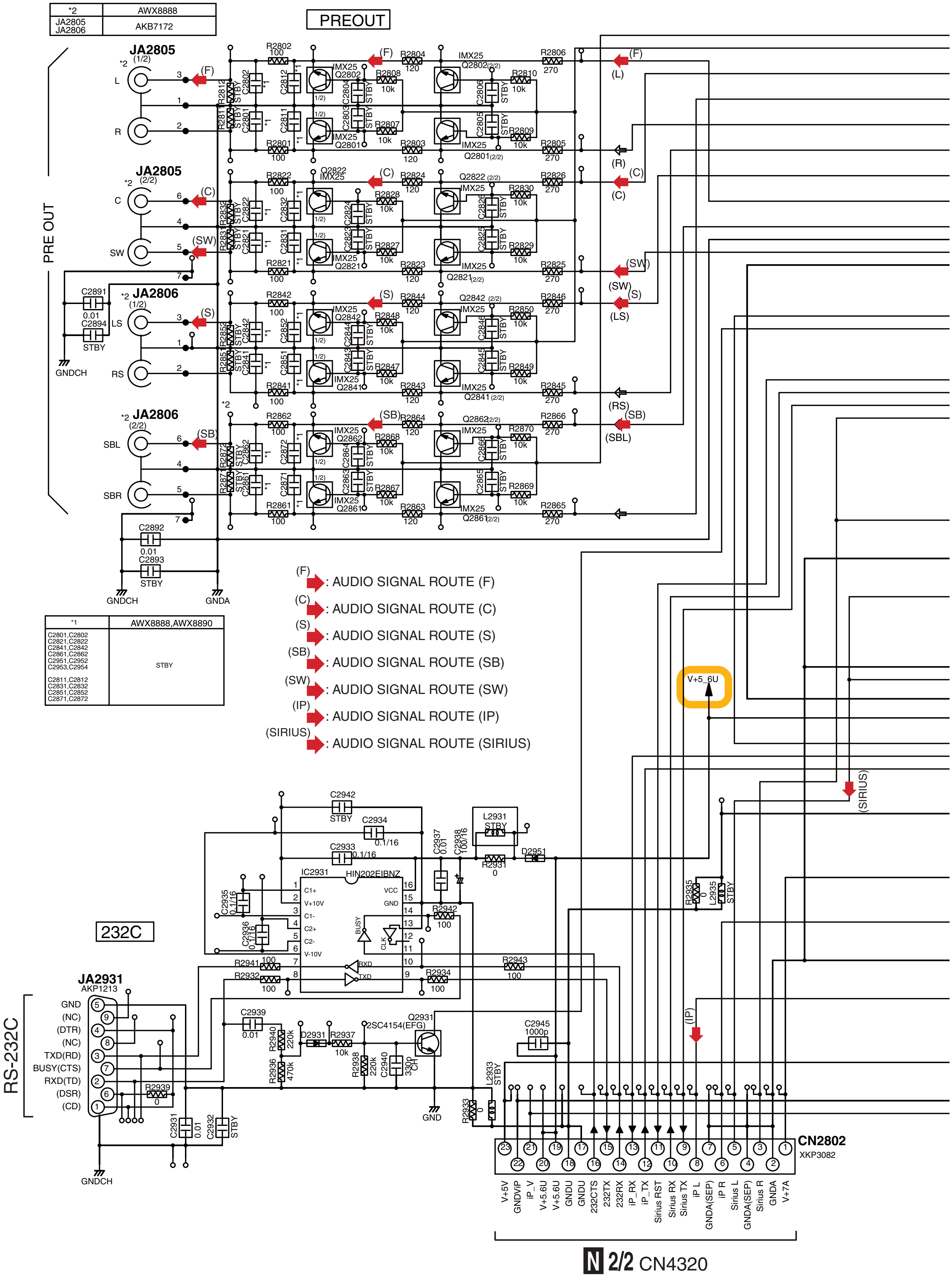
FL DISPLAY
V3201 AAV7113-
(3201 FL HOLDER VNF1096-)
AC1
AC2
S1–S37
G1–G16
R3201–R3237 100k
R3238–R3253 47k
C3205–C3220 470p
C3201 0.1u
C3202 1000p
C3203 100/35
C3204 470p
3202
51048-0600
AC1
AC2
-VF
GNDU
GNDU
V+5.6V
S CN6103
J3202 D20PDY0620E
L3201 CTF1385
R3254 STBY
C3232 STBY
V+5UH
V+56ST
V+5U
Jumper
L3203 STBY
L3202 ATL7002
C3221 220/6.3
C3222 0.01
R3261
D3202 1SS352
D3201 MC2848-11
GNDU
C3229 1000P
C3230 0.1
C3231 47/50
C3228 1
FL UCOM
IC3201
PE5615A
VDD1
VSS1
X1
X2
IC(VPP)
DISPRST
DISPCK
DISPDTI
DISPDTO
NC
TEST
DISPCE
AVSS
VDD2
-VF
VSS0
AVDD
VDD0
C3223 1000P
C3224 0.1 YB
R3258 1M
X3201 VSS1142 5MHz
C3225 0.1
R3259 100k
R3260 100k
R3262 100
R3263 100
C3226 STBY
R3264 100k
C3227 0.1
CN3201 STBY
VSS0
SI1
SO1
SCK1
NC
RESET
VDD
VPP(IC)
NC
for D.L.
DDO
DDI
DCK
DRST
CE
R3255 STBY
R3256 STBY
R3257 STBY
GNDU
CN3302 STBY
DBGP2
DBGP1
DBGP0
RESET
GNDU
NC
for DEBUG&D.L.
V+5UH
SRIN
RMC
SRIN2
IRIN
SROUT
R3380 4.7k
D3316 1SS352
R3378 100k
R3379 100k
C3322 0.01
Q3309 2SA1602A(EF)
R3381 1k
R3382 10k
D3317 MC2848-11
R3375 STBY
Q3310 RT1N241M
D3315 1SS352
R3376 STBY
R3377 100
GNDSR
IC3302 RPM7540-H9
Vout
Vcc
GND
C3323 0.01
C3324 100/6.3
GNDSR GNDU
V+5UH
R3352 4.7k
C3319 1000p
KEY IN VOLTAGE [V]
0.0
0.6
1.2
1.8
2.4
3.0
3.6
4.2
R3355 680
R3356 820
R3357 1.2k
R3358 1.6k
R3359 2.7k
R3360 5.1k
R3361 12k
S3301 VSG1024 V.PARA
S3302 VSG1024 ↑
S3303 VSG1024 ←
S3304 VSG1024 ENTER
S3305 VSG1024 →
S3306 VSG1024 RETURN
S3307 VSG1024 ↓
S3308 VSG1024 SETUP
A B C D E F

AC

*	AWX8900
R3322 R3324	150
D3309 D3313	SLR343BC4T(JKLM)
Q3305 Q3307	RT1N431M
R3323	560
D3311	SLR343WBCT(MNPQ)
C3305 C3307	100P


L 1/7 CN103
CN3301
VKN1291-
MIC DET
CEC2
CEC1
CEC HOTPLUG
CEC IN/OUT
232C RX
232C TX
232C CTS
232C DET
GNDU
V+5.6ST
1W WUP
EVENT REQ
EVENT RDY
EVENT DO
EVENT DI
EVENT CLK
EVENT RST
DISP CE
DISP DI
DISP CLK
DISP RST
HP DET
TEMP2
NC
GNDSR
SROUT
RMC
SRIN
MRIN
V+3E
V+5UH
IC3304
S-1200B33-M5
VIN
VOUT
VSS
ON/OFF
NC
C3331 1u/10
C3330 1u/10
GNDU
EVERST
Q3308
STBY
RESET
CECI/O
D3319 RB751V-40
R3394 33k
R3395 150k
Q3312 2SK2034
SLR-343VC(NPQ)
RT1N431M
HDMI
V_COM
PHASE
MCACC
ICE_B
ICE_W
EVENT UCOM
IC3301
PDC158A8
NC
EVENT CLK
EVENT DI
EVENT DO
CEC IN
SR IN
IR IN
EVENT REQ
RESET
XT1
XT2
VSS
CF1
CF2
VDD
KEY1
KEY2
KEY3
CONNECT 5V 1
CONNECT 5V 2
TEMP2
MIC DET
HP DET
FLASHCLK
FLASHDO
FLASHE/O
TEST CHECKER
1W WP
RS232C TS
EVENT RDY
RS232C TX
RS232C RX
ICE_White LED
ICE_Blue LED
RS232C DET
POWER KEY
HOTPLUG
Multi room ON/OFF KEY
STANBY LED
HDMI LED
V_CON LED
PHASE LED
MCACC LED
Multi JOG A
Multi JOG B
MAIN VOL A
MAIN VOL B
X3302 CSS1653 15MHz
R3328 AWX8952:100k others :STBY
S3310 VSG1024 BAND
S3311 VSG1024 T.EDIT
S3312 VSG1024 AUTSURR
S3313 VSG1024 MCACC
S3314 VSG1024 PHASE CON
S3315 VSG1024 SP
S3316 VSG1024 A.PARA
S3309 VSG1024 Multi room ON/OFF
S3317 VSG1024 HOME THX
S3318 VSG1024 STANDARD
S3319 VSG1024 ADVA
S3320 VSG1024 STEREO
S3321 VSG1024 SBch
S3322 VSG1024 SIG SELE
S3323 VSG1024 CONTROL
IC3303 STBY
JOGA
JOGB
VOLA
VOLB
3301 51048-0300
J3301 D20PDD0310E
3571 51048-0300
AB VOLUME ASSY (AWX8907)
ASX7049-S3571
3302 51048-0300
J3302 D20PDD0315E
3561 51048-0300
AD INPUT SELECT ASSY (AWX8906)
ASX7051-S3561
Z POWER SW ASSY (AWX8908)
3303 51048-0400
J3303 D20PDD0415E
3562 51048-0400
S3562 VSG1024
Q3561 RT1N431M
D3562 SLR343BC4T(JKLM)
R3561 150
Z AB AC AD

10.30 PREOUT & CONTROL ASSY


PREOUT
PRE OUT
JA2805 (1/2)
JA2805 (2/2)
JA2806 (1/2)
JA2806 (2/2)
L
R
C
SW
LS
RS
SBL
SBR
(F)
(C)
(SW)
(S)
(SB)
(L)
(R)
(LS)
(RS)
(SBL)
IMX25 Q2802
IMX25 Q2801
IMX25 Q2822
IMX25 Q2821
IMX25 Q2842
IMX25 Q2841
IMX25 Q2862
IMX25 Q2861
Q2802 (2/2)
Q2801 (2/2)
Q2822 (2/2)
Q2821 (2/2)
Q2842 (2/2)
Q2841 (2/2)
Q2862 (2/2)
Q2861 (2/2)
R2802 100
R2801 100
R2804 120
R2803 120
R2806 270
R2805 270
R2808 10k
R2807 10k
R2810 10k
R2809 10k
STBY
*1
*2
C2891 0.01
C2894 STBY
C2892 0.01
C2893 STBY
GNDCH
GNDA
232C
RS-232C
JA2931 AKP1213
GND
(NC)
(DTR)
TXD(RD)
BUSY(CTS)
RXD(TD)
(DSR)
(CD)
IC2931 HIN202EIBNZ
C1+
V+10V
C1-
C2+
C2-
V-10V
VCC
GND
BUSY
CLK
RXD
TXD
C2942 STBY
C2934 0.1/16
C2933 0.1/16
C2935 0.1/16
C2936 0.1/16
C2937 0.01
C2938 100/16
L2931 STBY
R2931 0
D2951
R2941 100
R2932 100
R2942 100
R2934 100
R2943 100
C2939 0.01
R2940 220k
D2931
R2937 10k
2SC4154(EFG) Q2931
R2936 470k
R2938 220k
C2940 330p CH
C2945 1000p
R2939 0
C2931 0.01
C2932 STBY
L2933 STBY
R2933 0
R2935 0
L2935 STBY
V+5_6U
(IP)
(SIRIUS)
GND
CN2802 XKP3082
V+5V
GNDViP
iP_V
V+5.6U
V+5.6U
GNDU
GNDU
232CTS
232TX
232RX
iP_RX
iP_TX
Sirius RST
Sirius RX
Sirius TX
iP L
GNDA(SEP)
iP R
Sirius L
GNDA(SEP)
Sirius R
GNDA
V+7A
N 2/2 CN4320

*2	AWX8888
JA2805 JA2806	AKB7172

*1	AWX8888,AWX8890
C2801,C2802 C2821,C2822 C2841,C2842 C2861,C2862 C2951,C2952 C2953,C2954 C2811,C2812 C2831,C2832 C2851,C2852 C2871,C2872	STBY

(F) : AUDIO SIGNAL ROUTE (F)

(C) : AUDIO SIGNAL ROUTE (C)

(S) : AUDIO SIGNAL ROUTE (S)

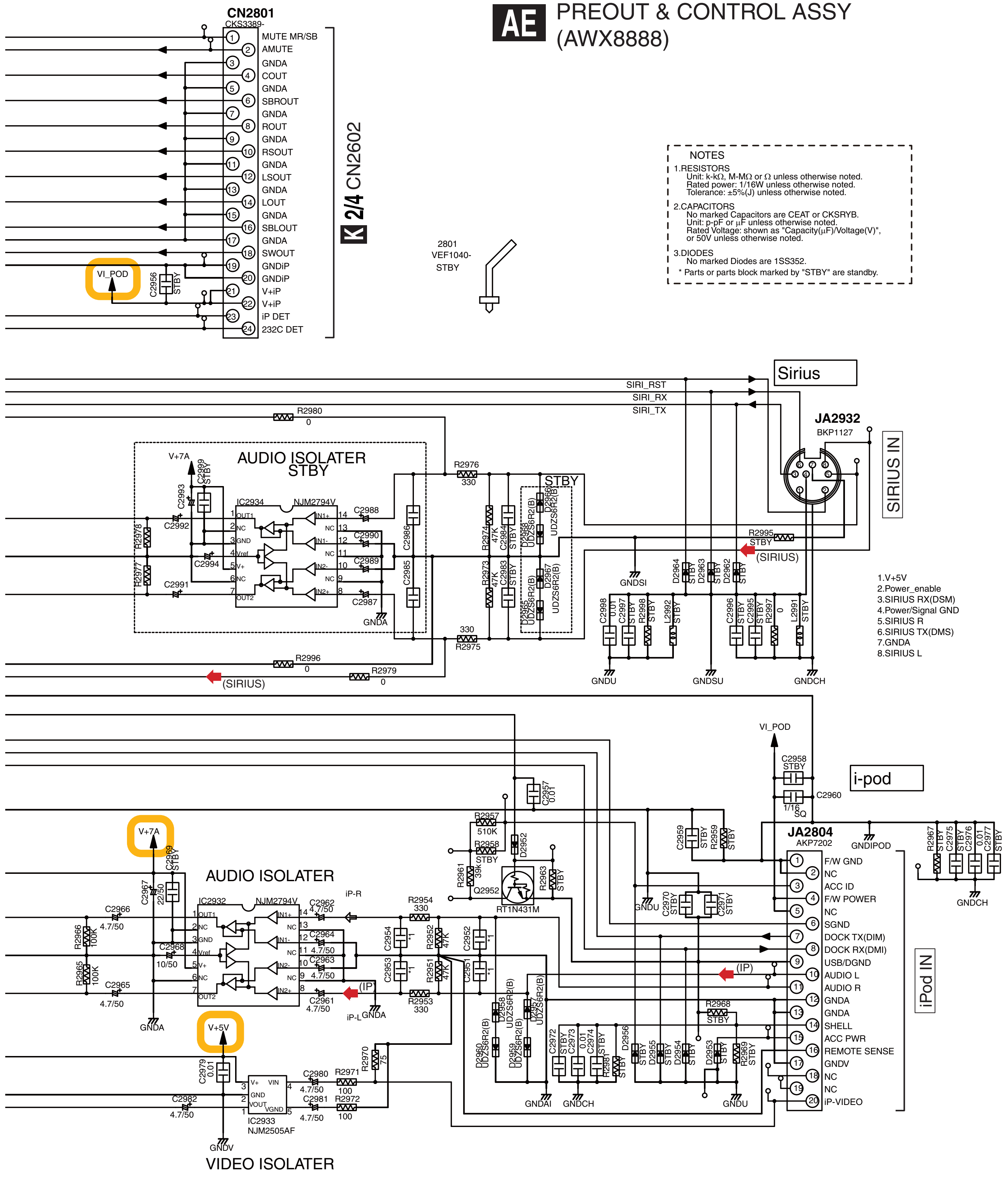
(SB) : AUDIO SIGNAL ROUTE (SB)

(SW) : AUDIO SIGNAL ROUTE (SW)

(IP) : AUDIO SIGNAL ROUTE (IP)

(SIRIUS) : AUDIO SIGNAL ROUTE (SIRIUS)

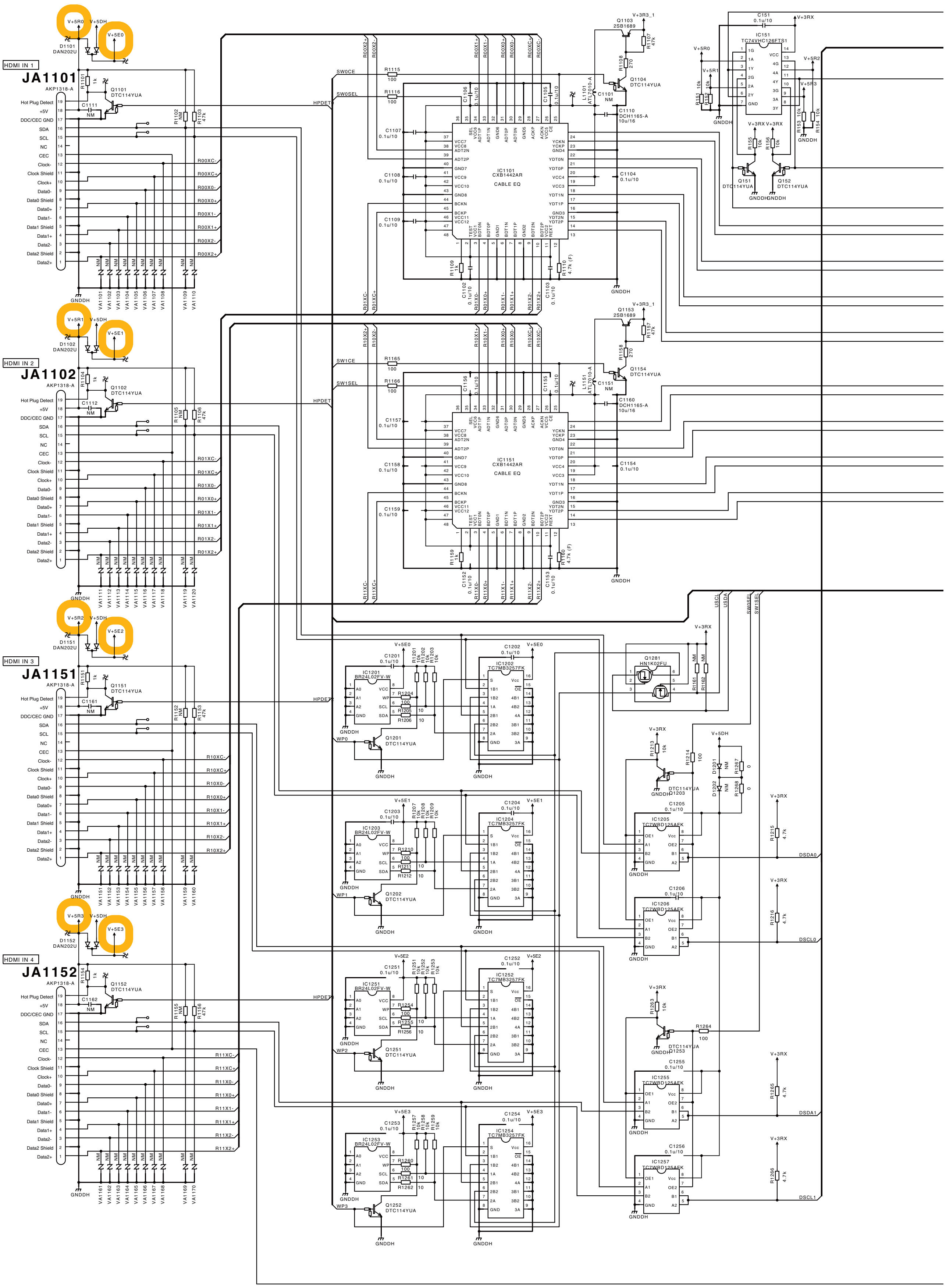
AE PREOUT & CONTROL ASSY (AWX8888)


CN2801
CKS3389-
1 MUTE MR/SB
2 AMUTE
3 GNDA
4 COUT
5 GNDA
6 SBROUT
7 GNDA
8 ROUT
9 GNDA
10 RSOUT
11 GNDA
12 LSOUT
13 GNDA
14 LOUT
15 GNDA
16 SBLOUT
17 GNDA
18 SWOUT
19 GNDiP
20 GNDiP
21 V+iP
22 V+iP
23 iP DET
24 232C DET
K 2/4 CN2602
VI_POD
C2956
STBY
2801
VEF1040-
STBY
Sirius
SIRI_RST
SIRI_RX
SIRI_TX
R2980
0
JA2932
BKP1127
SIRIUS IN
AUDIO ISOLATER
STBY
V+7A
C2999
STBY
C2993
IC2934
NJM2794V
C2992
C2994
C2991
R2978
R2977
C2988
C2990
C2989
C2987
GNDA
C2986
C2985
R2976
330
R2975
330
R2974
47K
R2973
47K
C2984
STBY
C2983
STBY
D2966
UDZS6R2(B)
D2968
UDZS6R2(B)
D2967
UDZS6R2(B)
D2965
UDZS6R2(B)
R2995
STBY
(SIRIUS)
GNDSI
D2964
D2963
D2962
STBY
C2998
0.01
C2997
STBY
R2998
STBY
L2992
STBY
C2996
STBY
C2995
STBY
R2997
0
L2991
STBY
GNDU
GNDSU
GNDCH
R2996
0
R2979
0
(SIRIUS)
VI_POD
C2958
STBY
C2960
1/16
SQ
i-pod
C2957
0.01
R2957
510K
R2958
STBY
D2952
R2961
39k
Q2952
RT1N431M
R2963
STBY
C2959
STBY
R2959
STBY
JA2804
AKP7202
GNDIPOD
1 F/W GND
2 NC
3 ACC ID
4 F/W POWER
5 NC
6 SGND
7 DOCK TX(DIM)
8 DOCK RX(DMI)
9 USB/DGND
10 AUDIO L
11 AUDIO R
12 GNDA
13 GNDA
14 SHELL
15 ACC PWR
16 REMOTE SENSE
17 GNDV
18 NC
19 NC
20 iP-VIDEO
iPod IN
R2967
STBY
C2975
STBY
C2976
STBY
C2977
0.01
STBY
GNDCH
V+7A
C2969
STBY
AUDIO ISOLATER
IC2932
NJM2794V
C2967
22/50
C2966
4.7/50
R2966
100K
R2965
100K
C2968
10/50
C2965
4.7/50
GNDA
C2962
4.7/50
C2964
4.7/50
C2963
4.7/50
C2961
4.7/50
iP-R
iP-L
(IP)
GNDA
R2954
330
R2953
330
C2954
*1
C2953
*1
R2952
47K
R2951
47K
C2952
*1
C2951
*1
GNDU
C2970
STBY
C2971
STBY
(IP)
D2958
UDZS6R2(B)
D2957
UDZS6R2(B)
D2960
UDZS6R2(B)
D2959
UDZS6R2(B)
C2972
STBY
C2973
0.01
C2974
STBY
R2981
STBY
D2956
STBY
D2955
STBY
D2954
STBY
D2953
STBY
R2968
STBY
R2969
STBY
GNDAI
GNDCH
GNDU
V+5V
C2979
0.01
C2982
4.7/50
IC2933
NJM2505AF
V+ VIN
GND
VOUT
VGND
C2980
4.7/50
R2971
100
C2981
4.7/50
R2972
100
R2970
75
GNDV
VIDEO ISOLATER

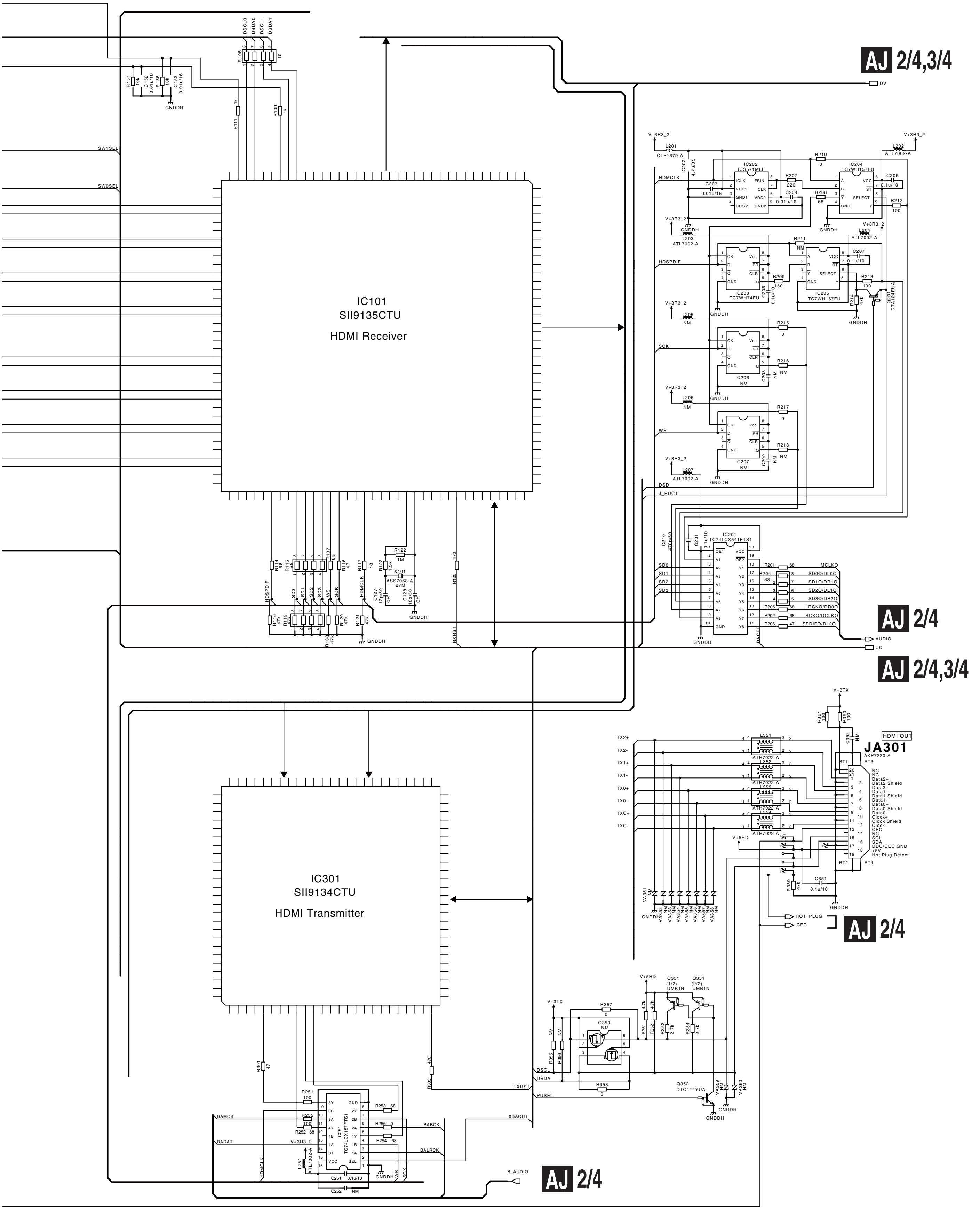
NOTES
1.RESISTORS
Unit: k-kΩ, M-MΩ or Ω unless otherwise noted.
Rated power: 1/16W unless otherwise noted.
Tolerance: ±5%(J) unless otherwise noted.
2.CAPACITORS
No marked Capacitors are CEAT or CKSRYB.
Unit: p-pF or μF unless otherwise noted.
Rated Voltage: shown as "Capacity(μF)/Voltage(V)", or 50V unless otherwise noted.
3.DIODES
No marked Diodes are 1SS352.
* Parts or parts block marked by "STBY" are standby.

1.V+5V
2.Power_enable
3.SIRIUS RX(DSM)
4.Power/Signal GND
5.SIRIUS R
6.SIRIUS TX(DMS)
7.GNDA
8.SIRIUS L

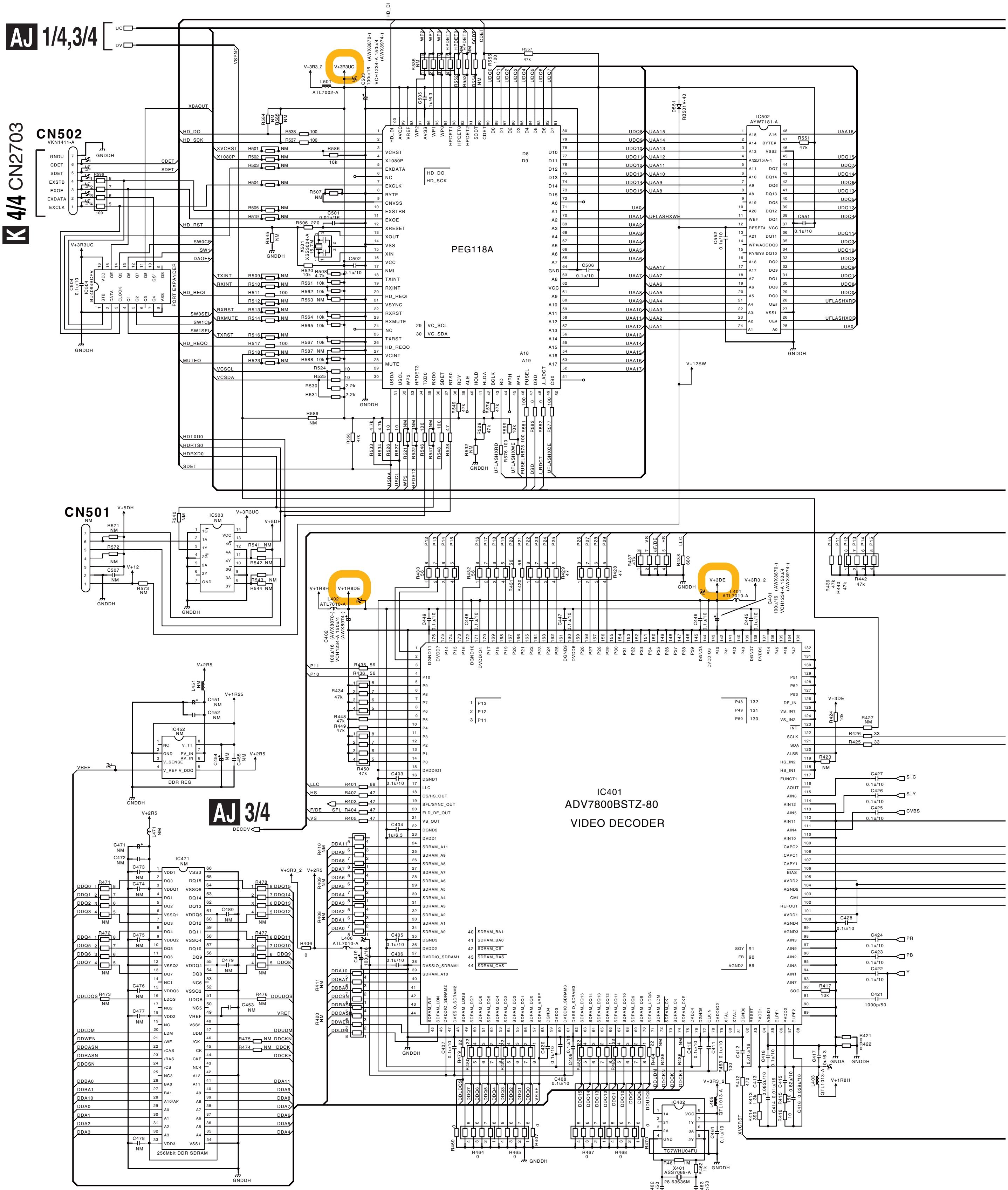
10.31 HDMI & DLNA ASSY (1/4) (VSX-94TXH)


HDMI IN 1
JA1101
AKP1318-A
HDMI IN 2
JA1102
HDMI IN 3
JA1151
HDMI IN 4
JA1152
Hot Plug Detect
+5V
DDC/CEC GND
SDA
SCL
NC
CEC
Clock-
Clock Shield
Clock+
Data0-
Data0 Shield
Data0+
Data1-
Data1 Shield
Data1+
Data2-
Data2 Shield
Data2+
V+5R0
V+5DH
V+5E0
D1101
DAN202U
Q1101
DTC114YUA
IC1101
CXB1442AR
CABLE EQ
IC1151
CXB1442AR
CABLE EQ
Q1103
2SB1689
Q1104
DTC114YUA
L1101
ATI7010-A
L1110
DCH1165-A
10u/16
Q1153
2SB1689
Q1154
DTC114YUA
IC151
TC74VHC126FTS1
Q151
DTC114YUA
Q152
DTC114YUA
V+3R3_1
V+3RX
GNDDH
SW0CE
SW0SEL
SW1CE
SW1SEL
HPDET
IC1201
BR24L02FV-W
IC1202
TC7MB3257FK
Q1201
DTC114YUA
IC1203
BR24L02FV-W
IC1204
TC7MB3257FK
Q1202
DTC114YUA
IC1251
BR24L02FV-W
IC1252
TC7MB3257FK
Q1251
DTC114YUA
IC1253
BR24L02FV-W
IC1254
TC7MB3257FK
Q1252
DTC114YUA
Q1281
HN1K02FU
Q1203
DTC114YUA
Q1253
DTC114YUA
IC1205
TC7WBD125AFK
IC1206
TC7WBD125AFK
IC1255
TC7WBD125AFK
IC1257
TC7WBD125AFK
DSDA0
DSCL0
DSDA1
DSCL1
USCL
USDA
SW0SEL
SW1SEL
WP0
WP1
WP2
WP3

AJ 1/4 HDMI & DLNA ASSY (AWX8870)

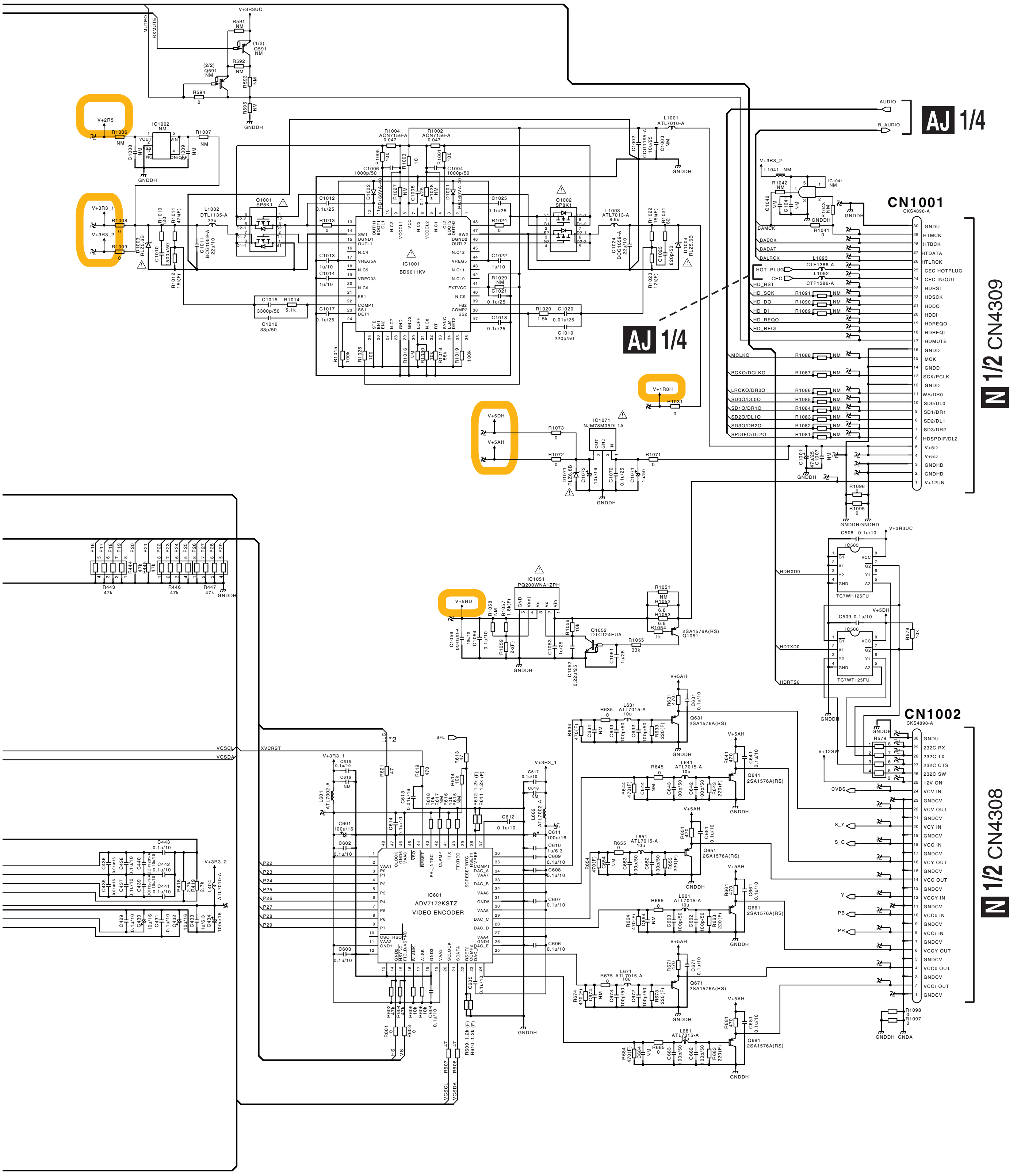

AJ 2/4,3/4
DV
DSCL0
DSDA0
DSCL1
DSDA1
R108
R157 10k
C152 0.01u/16
R158 10k
C153 0.01u/16
GNDDH
R111 1k
R109 1k
SW1SEL
SW0SEL
IC101
SII9135CTU
HDMI Receiver
R114 68
R115 68
R137 68
R116 47
R117 10
R122 1M
R123 1.5k
X101 ASS7068-A 27M
C127 12p/50 CH
C128 10p/50 CH
R125 470
HDSPDIF
SD0
SD1
SD2
SD3
WS
SCK
HDMCLK
R118 47k
R119 47k
R136 47k
R120 47k
R121 47k
RXRST
V+3R3_2
L201 CTF1379-A
C202 4.7u/35
HDMCLK
C203 0.01u/16
IC202 ICS571MLF
ICLK FBIN VDD1 CLK GND1 VDD2 CLK/2 GND2
R207 220
C204 0.01u/16
R210 0
IC204 TC7WH157FU
R208 68
SELECT
C206 0.1u/10
R212 100
L202 ATL7002-A
GNDDH
L203 ATL7002-A
HDSPDIF
IC203 TC7WH74FU
R211 NM
R209 10
C205 0.1u/10
IC205 TC7WH157FU
C207 0.1u/10
L204 ATL7002-A
R213 100
R214 47k
Q201 DTA124EUA
L205 NM
SCK
R215 0
IC206 NM
R216 NM
C208 NM
L206 NM
WS
R217 0
IC207 NM
R218 NM
C209 NM
L207 ATL7002-A
DSD
J_RDCT
C210 470u/50
C201 0.1u/10
IC201 TC74LCX541FTS1
R201 68
R204 68
R205 68
R202 68
R206 47
MCLKO
SD0O/DL0O
SD1O/DR1O
SD2O/DL1O
SD3O/DR2O
LRCKO/DR0O
BCKO/DCLKO
SPDIFO/DL2O
DACEF
AJ 2/4
AUDIO
UC
AJ 2/4,3/4
V+3TX
R361 100
R360 100
C352 NM
HDMI OUT
JA301
AKP7220-A
TX2+
TX2-
TX1+
TX1-
TX0+
TX0-
TXC+
TXC-
L351 ATH7022-A
L352 ATH7022-A
L353 ATH7022-A
L354 ATH7022-A
RT1 RT2 RT3 RT4
NC
Data2+
Data2 Shield
Data2-
Data1+
Data1 Shield
Data1-
Data0+
Data0 Shield
Data0-
Clock+
Clock Shield
Clock-
CEC
SCL
SDA
DDC/CEC GND
+5V
Hot Plug Detect
V+5HD
R359 47k
C351 0.1u/10
VA351 NM
VA352 NM
VA353 NM
VA354 NM
VA355 NM
VA356 NM
VA357 NM
VA358 NM
HOT_PLUG
CEC
AJ 2/4
IC301
SII9134CTU
HDMI Transmitter
V+5HD
Q351 (1/2) UMB1N
Q351 (2/2) UMB1N
R351 4.7k
R352 4.7k
R353 2.7k
R354 2.7k
R357 0
Q353 NM
R355 NM
R356 NM
R358 0
Q352 DTC114YUA
VA359 NM
VA360 NM
DSCL
DSDA
TXRST
PUSEL
XBAOUT
R301 47
R303 470
R251 100
R255 100
R252 68
R253 68
R256 0
R254 68
IC251 TC74LCX157FTS1
V+3R3_2
L251 ATL7002-A
C251 0.1u/10
C252 NM
BAMCK
BADAT
BABCK
BALRCK
B_AUDIO
HDMCLK
WS
SCK
AJ 2/4

10.32 HDMI & DLNA ASSY (2/4) (VSX-94TXH)


AJ 1/4,3/4
UC
DV
K 4/4 CN2703
CN502
VKN1411-A
GNDU
CDET
SDET
EXSTB
EXOE
EXDATA
EXCLK
GNDH
V+3R3UC
IC504
BU4094BCFV
PORT EXPANDER
HD_DI
VSYNC
XBAOUT
HD_DO
HD_SCK
XVCRST
X1080P
HD_RST
SWOCE
SW1
DAOFF
TXINT
RXINT
HD_REQI
SW0SEL
RXMUTE
SW1CE
SW1SEL
RXRST
TXRST
HD_REQO
MUTEO
VCSCL
VCSDA
HDTXD0
HDRTS0
HDRXD0
SDET
V+3R3_2
V+3R3UC
L501
ATL7002-A
C503
100u/16 (AWX8870-)
VCH1234-A 150u/4 (AWX8974-)
X501
XSS7001-A
15.7M
PEG118A
HD_DO
HD_SCK
VC_SCL
VC_SDA
IC502
AYW7181-A
UFLASHXWE
UFLASHXRD
UFLASHXCE
D551
RB501V-40
V+12SW
CN501
V+5DH
IC503
NM
V+3R3UC
V+5DH
V+12
GNDDH
V+1R8H
V+1R8DE
L402
ATL7010-A
C402
100u/16 (AWX8870-)
VCH1234-A 150u/4 (AWX8974-)
V+3DE
L401
ATL7010-A
C401
100u/16 (AWX8870-)
VCH1234-A 150u/4 (AWX8974-)
V+3R3_2
IC401
ADV7800BSTZ-80
VIDEO DECODER
V+2R5
IC452
NM
V_TT
PV_IN
AV_IN
V_SENSE
V_REF V_DDQ
DDR REG
V+1R25
V+2R5
VREF
AJ 3/4
DECDV
V+2R5
IC471
NM
256Mbit DDR SDRAM
L406
ATL7010-A
S_C
S_Y
CVBS
PR
PB
Y
V+3DE
V+3R3_2
IC402
TC7WHU04FU
L405
QTL1013-A
X401
ASS7069-A
28.63636M
XVCRST
L403
QTL1013-A
V+1R8H
GNDA
GNDDH
GNDDH

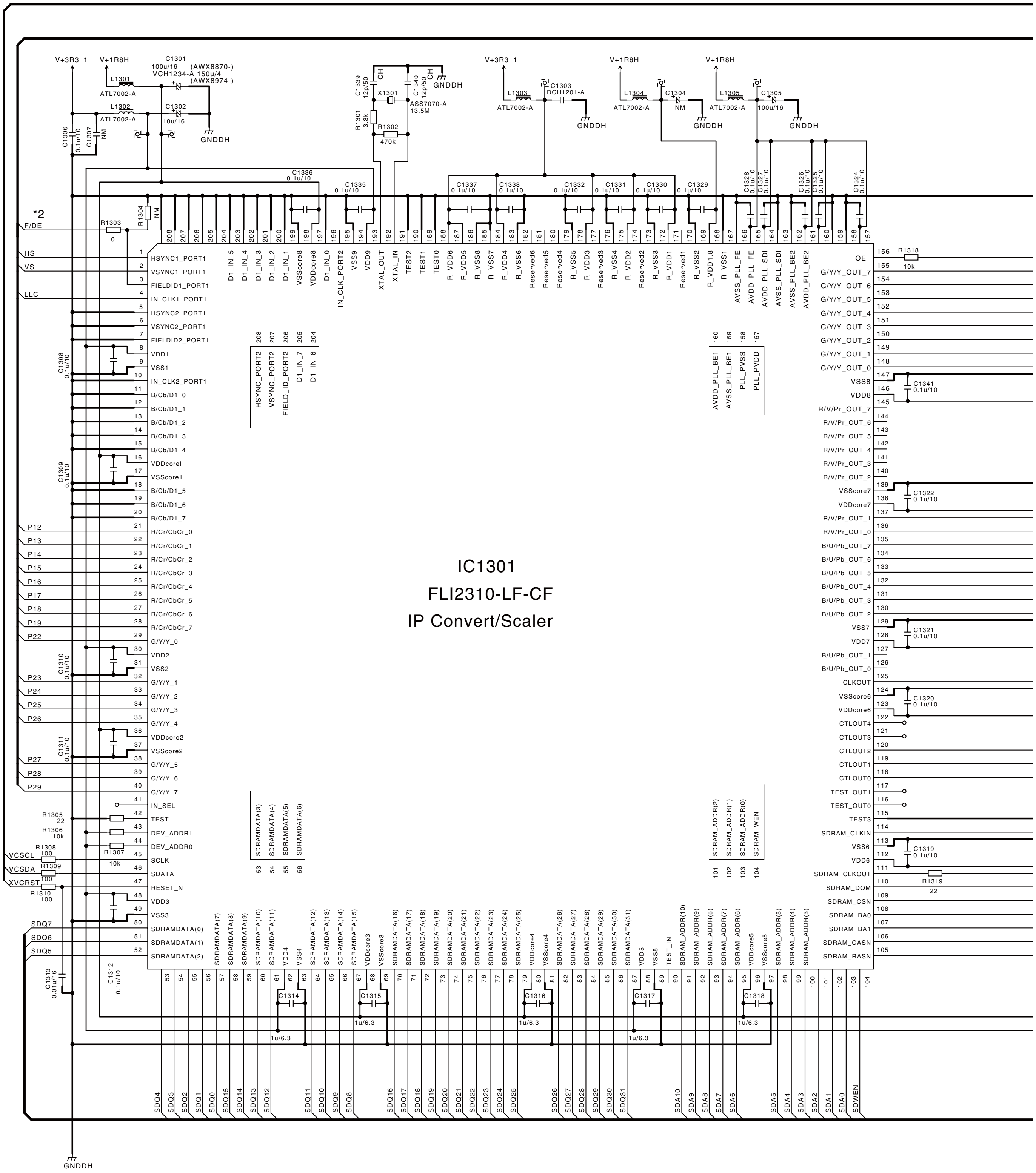
AJ 2/4

AJ 2/4 HDMI & DLNA ASSY (AWX8870)

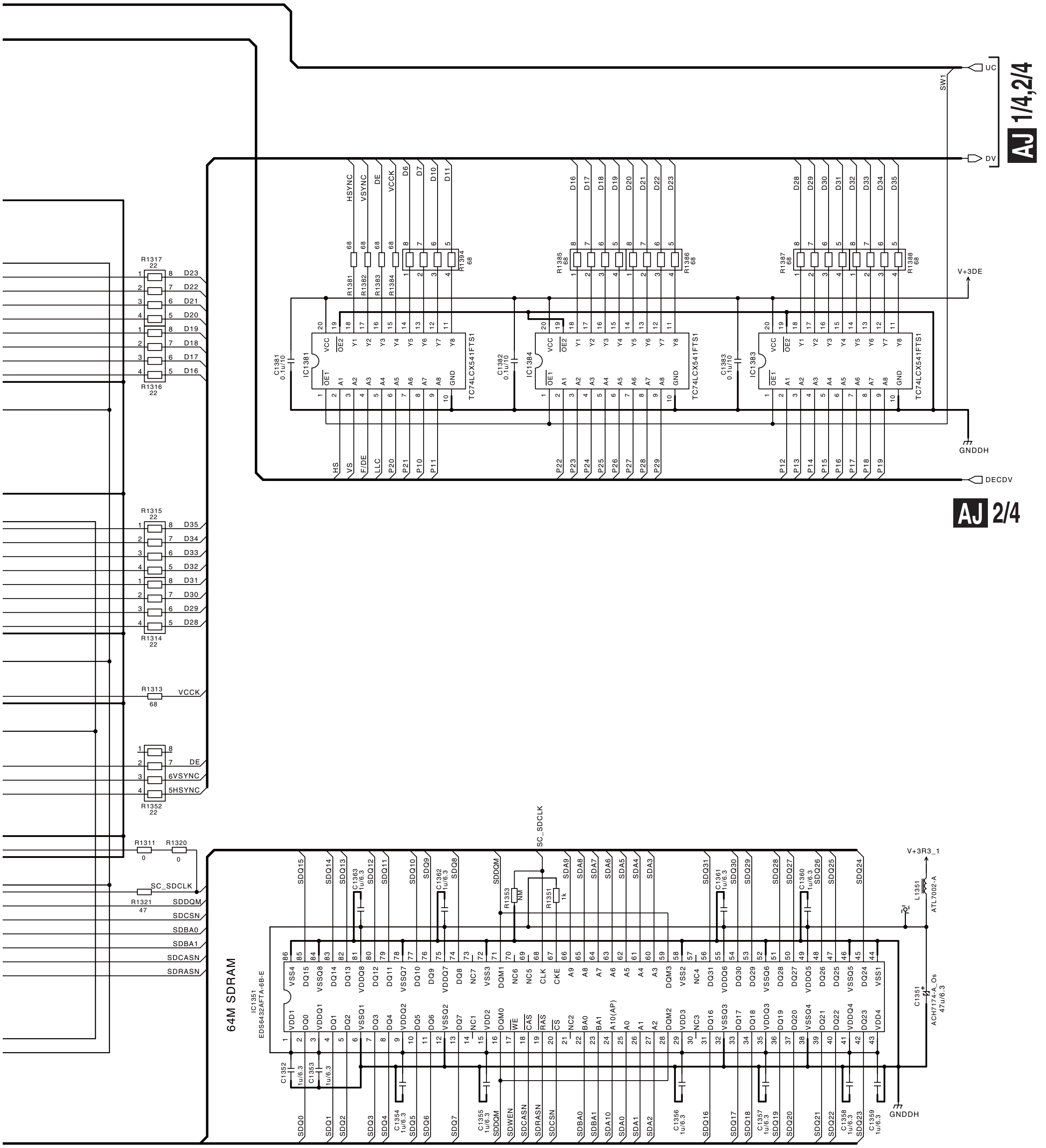

V+3R3UC
R591 NM
(1/2) Q591
R592 NM
(2/2) Q591 NM
R594 0
R593 NM
R595 NM
GNDDH
MUTED
RXMUTE
V+2R5
R1006 NM
IC1002 NM
VOUT
VIN
NC
ON/OFF
R1007 NM
C1008 NM
R1009 NM
GNDDH
V+3R3_1
V+3R3_2
R1008 0
R1009 0
D1003 RLZ5.6B
R1010 NM
R1011 47k(F)
C1010 820p/50
R1012 15k(F)
L1002 DTL1135-A 22u
C1011 BCG1059-A 22u/10
Q1001 SP8K1
R1004 ACN7156-A 0.047
R1002 ACN7156-A 0.047
R1005 100
R1003 10
R1001 100
C1006 1000p/50
C1004 1000p/50
D1002 RB160VA-40
D1001 RB160VA-40
R1027 NM
C1005 0.1u/25
R1028 NM
C1012 0.1u/25
R1013 0
C1013 1u/10
C1014 1u/10
C1015 3300p/50
R1014 5.1k
C1016 33p/50
C1017 0.1u/25
IC1001 BD9011KV
SW1 DGND1 OUTL1 N.C4 VREG5A N.C5 VREG33 N.C6 FB1 COMP1 SS1 DET1
SW2 DGND2 OUTL2 N.C12 VREG5 N.C11 N.C10 EXTVCC N.C9 FB2 COMP2 SS2
R1015 100k
R1025 100
R1016 NM
R1026 10k
R1018 56k
R1019 100k
C1025 0.1u/25
R1024 0
C1022 1u/10
R1029 NM
C1021 0.1u/25
C1018 0.1u/25
R1020 1.5k
C1020 0.01u/25
C1019 220p/50
Q1002 SP8K1
L1003 ATL7013-A 6.8u
C1024 BCG1059-A 22u/10
R1022 15k(F)
R1021 82
C1023 820p/50
D1004 RLZ5.6B
R1023 12k(F)
L1001 ATL7010-A
C1002 CCG1195-A 10u/25
C1003 NM
GNDDH
AUDIO
B_AUDIO
AJ 1/4
V+3R3_2
L1041 NM
R1042 NM
IC1041 NM
C1042 NM
C1041 NM
R1043 NM
GNDDH
R1041 0
BAMCK BABCK BADAT BALRCK
L1093 CTF1386-A
L1092 CTF1386-A
HOT_PLUG
CEC
HD_RST HD_SCK HD_DO HD_DI HD_REQO HD_REQI
R1091 NM
R1090 NM
R1089 NM
AJ 1/4
MCLKO
BCKO/DCLKO
LRCKO/DR0O
SD0O/DL0O
SD1O/DR1O
SD2O/DL1O
SD3O/DR2O
SPDIFO/DL2O
R1088 NM
R1087 NM
R1086 NM
R1085 NM
R1084 NM
R1083 NM
R1082 NM
R1081 NM
CN1001
CKS4898-A
30 GNDU
29 HTMCK
28 HTBCK
27 HTDATA
26 HTLRCK
25 CEC HOTPLUG
24 CEC IN/OUT
23 HDRST
22 HDSCK
21 HDDO
20 HDDI
19 HDREQO
18 HDREQI
17 HDMUTE
16 GNDD
15 MCK
14 GNDD
13 SCK/PCLK
12 GNDD
11 WS/DR0
10 SD0/DL0
9 SD1/DR1
8 SD1/DL1
7 SD3/DR2
6 HDSPDIF/DL2
5 V+5D
4 V+5D
3 GNDHD
2 GNDHD
1 V+12UN
N 1/2 CN4309
V+1R8H
R1031 0
V+5DH
V+5AH
R1073 0
R1072 0
IC1071 NJM78M05DL1A
OUT GND IN
R1071 0
D1071 RLZ6.8B
C1073 10u/16
C1072 0.1u/25
C1071 1u/50
GNDDH
C1001 47u/25
C1007 NM
GNDDH
R1096 0
R1095 0
GNDDH GNDHD
V+3R3UC
C508 0.1u/10
IC505
TC7WH125FU
HDRXD0
C509 0.1u/10
IC506
TC7WT125FU
HDTXD0
HDRTS0
V+5DH
R578 10k
G1 A1 Y2 GND VCC G2 Y1 A2
IC1051 PQ200WNA1ZPH
Vadj Vo Vc Vin GND
V+5HD
R1058 NM
R1057 1.8k(F)
C1056 DCH1201-A 10u/10
C1054 0.1u/10
R1059 2k(F)
GNDDH
R1056 10k
Q1052 DTC124EUA
C1053 1u/25
C1052 0.22u/25
C1051 1u/25
R1051 NM
R1052 NM
R1053 6.8
R1054 1k
R1055 33k
2SA1576A(RS) Q1051
P16 P17 P18 P19 P20 P21 P22 P23 P24 P25 P26 P27 P28 P29
R443 47k
R444 47k
R445 47k
R446 47k
R447 47k
GNDDH
VCSCL
VCSDA
XVCRST
LLC
*2
SFL
V+3R3_1
C615 0.1u/10
C616 NM
L601 ATL7002-A
C601 100u/16
C602 0.1u/10
C603 0.1u/10
R621 47
R619 470
R613 47
C613 0.01u/16
C614 0.1u/10
R618 10k
R617 NM
R616 NM
R614 10k
R615 10k
R612 1.2k(F)
R611 1.2k(F)
C612 0.1u/10
V+3R3_1
C617 0.1u/10
C618 NM
L602 ATL7002-A
C611 100u/16
C610 1u/6.3
C609 0.1u/10
C608 0.1u/10
C607 0.1u/10
C606 0.1u/10
IC601
ADV7172KSTZ
VIDEO ENCODER
VAA1 P0 P1 P2 P3 P4 P5 P6 P7 VAA2 GND1
CLOCK GND6 VAA8 RESET CLAMP TTX TTXREQ SCRESET/RTC RSET1 VREF COMP1 DAC_A VAA7 DAC_B VAA6 GND5 VAA5 DAC_C DAC_D VAA4 GND4 DAC_E
ALSB SCLOCK SDATA RSET2 COMP2 DAC_F
P22 P23 P24 P25 P26 P27 P28 P29
R602 47
R604 47
R605 NM
R606 NM
C604 0.1u/10
C605 0.1u/10
R601 0
R603 0
HS VS
R607 47
R608 47
R609 1.2k(F)
R610 1.2k(F)
VCSCL VCSDA
GNDDH
C443 0.1u/10
C436 C438 C440 C442 0.1u/10
C435 C437 C439 C441 0.1u/10
R418 2.7k
L404 ATL7010-A
V+3R3_2
C429 C430 C431 C432 C433 C434
V+5AH
R631 470
C631 0.1u/10
R635 0
L631 ATL7015-A 10u
R634 470(F)
C634 NM
C633 100p/50
C632 100p/50
R633 220(F)
Q631 2SA1576A(RS)
GNDDH
V+5AH
R641 470
C641 0.1u/10
R645 0
L641 ATL7015-A 10u
R644 470(F)
C644 NM
C643 100p/50
C642 100p/50
R643 220(F)
Q641 2SA1576A(RS)
GNDDH
V+5AH
R651 470
C651 0.1u/10
R655 0
L651 ATL7015-A 10u
R654 470(F)
C654 NM
C653 100p/50
C652 100p/50
R653 220(F)
Q651 2SA1576A(RS)
GNDDH
V+5AH
R661 470
C661 0.1u/10
R665 0
L661 ATL7015-A 10u
R664 470(F)
C664 NM
C663 100p/50
C662 100p/50
R663 220(F)
Q661 2SA1576A(RS)
GNDDH
V+5AH
R671 470
C671 0.1u/10
R675 0
L671 ATL7015-A 10u
R674 470(F)
C674 NM
C673 100p/50
C672 100p/50
R673 220(F)
Q671 2SA1576A(RS)
GNDDH
V+5AH
R681 470
C681 0.1u/10
R685 0
L681 ATL7015-A 10u
R684 470(F)
C684 NM
C683 100p/50
C682 100p/50
R683 220(F)
Q681 2SA1576A(RS)
GNDDH
V+12SW
CVBS
S_Y
S_C
Y
PB
PR
GNDDH
R579 0
CN1002
CKS4898-A
30 GNDU
29 232C RX
28 232C TX
27 232C CTS
26 232C SW
25 12V ON
24 VCV IN
23 GNDCV
22 VCV OUT
21 GNDCV
20 VCY IN
19 GNDCV
18 VCC IN
17 GNDCV
16 VCY OUT
15 GNDCV
14 VCC OUT
13 GNDCV
12 VCCY IN
11 GNDCV
10 VCCb IN
9 GNDCV
8 VCCr IN
7 GNDCV
6 VCCY OUT
5 GNDCV
4 VCCb OUT
3 GNDCV
2 VCCr OUT
1 GNDCV
N 1/2 CN4308
R1098 0
R1097 0
GNDDH GNDA
A B C D E F

AJ 2/4

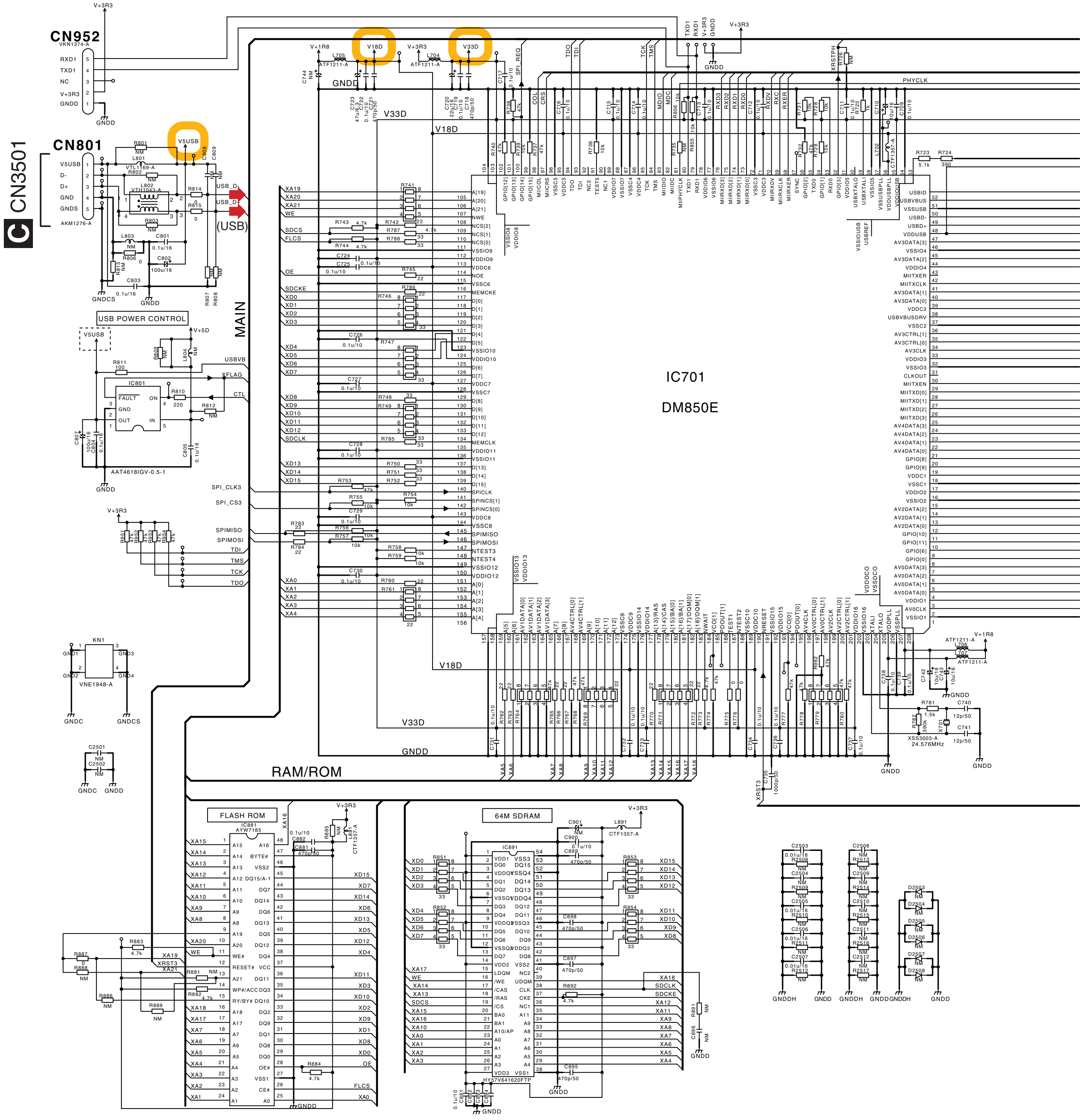
10.33 HDMI & DLNA ASSY (3/4) (VSX-94TXH)


IC1301
FLI2310-LF-CF
IP Convert/Scaler
V+3R3_1
V+1R8H
C1301
100u/16
VCH1234-A 150u/4
(AWX8870-)
(AWX8974-)
L1301
ATL7002-A
L1302
ATL7002-A
C1302
10u/16
GNDDH
C1306
0.1u/10
C1307
NM
C1339
12p/50
X1301
C1340
12p/50
CH
ASS7070-A
13.5M
R1301
3.3k
R1302
470k
L1303
ATL7002-A
C1303
DCH1201-A
L1304
C1304
NM
L1305
C1305
100u/16
C1336
0.1u/10
C1335
0.1u/10
C1337
C1338
C1332
C1331
C1330
C1329
C1328
C1327
C1326
C1325
C1324
*2
F/DE
R1303
0
R1304
NM
HS
VS
LLC
HSYNC1_PORT1
VSYNC1_PORT1
FIELDID1_PORT1
IN_CLK1_PORT1
HSYNC2_PORT1
VSYNC2_PORT1
FIELDID2_PORT1
VDD1
VSS1
IN_CLK2_PORT1
B/Cb/D1_0
B/Cb/D1_1
B/Cb/D1_2
B/Cb/D1_3
B/Cb/D1_4
VDDcore1
VSScore1
B/Cb/D1_5
B/Cb/D1_6
B/Cb/D1_7
R/Cr/CbCr_0
R/Cr/CbCr_1
R/Cr/CbCr_2
R/Cr/CbCr_3
R/Cr/CbCr_4
R/Cr/CbCr_5
R/Cr/CbCr_6
R/Cr/CbCr_7
G/Y/Y_0
VDD2
VSS2
G/Y/Y_1
G/Y/Y_2
G/Y/Y_3
G/Y/Y_4
VDDcore2
VSScore2
G/Y/Y_5
G/Y/Y_6
G/Y/Y_7
IN_SEL
TEST
DEV_ADDR1
DEV_ADDR0
SCLK
SDATA
RESET_N
VDD3
VSS3
SDRAMDATA(0)
SDRAMDATA(1)
SDRAMDATA(2)
P12
P13
P14
P15
P16
P17
P18
P19
P22
P23
P24
P25
P26
P27
P28
P29
C1308
C1309
C1310
C1311
0.1u/10
R1305
22
R1306
10k
R1307
10k
R1308
100
R1309
100
R1310
100
VCSCL
VCSDA
XVCRST
SDQ7
SDQ6
SDQ5
C1313
0.01u/16
C1312
0.1u/10
D1_IN_5
D1_IN_4
D1_IN_3
D1_IN_2
D1_IN_1
VSScore8
VDDcore8
D1_IN_0
IN_CLK_PORT2
VSS9
VDD9
XTAL_OUT
XTAL_IN
TEST2
TEST1
TEST0
R_VDD6
R_VDD5
R_VSS8
R_VSS7
R_VDD4
R_VSS6
Reserved6
Reserved5
Reserved4
R_VSS5
R_VDD3
Reserved3
R_VSS4
R_VDD2
Reserved2
R_VSS3
R_VDD1
Reserved1
R_VSS2
R_VDD1.8
R_VSS1
AVSS_PLL_FE
AVDD_PLL_FE
AVDD_PLL_SDI
AVSS_PLL_SDI
AVSS_PLL_BE2
AVDD_PLL_BE2
HSYNC_PORT2
VSYNC_PORT2
FIELD_ID_PORT2
D1_IN_7
D1_IN_6
AVDD_PLL_BE1
AVSS_PLL_BE1
PLL_PVSS
PLL_PVDD
OE
R1318
10k
G/Y/Y_OUT_7
G/Y/Y_OUT_6
G/Y/Y_OUT_5
G/Y/Y_OUT_4
G/Y/Y_OUT_3
G/Y/Y_OUT_2
G/Y/Y_OUT_1
G/Y/Y_OUT_0
VSS8
VDD8
C1341
0.1u/10
R/V/Pr_OUT_7
R/V/Pr_OUT_6
R/V/Pr_OUT_5
R/V/Pr_OUT_4
R/V/Pr_OUT_3
R/V/Pr_OUT_2
VSScore7
VDDcore7
C1322
0.1u/10
R/V/Pr_OUT_1
R/V/Pr_OUT_0
B/U/Pb_OUT_7
B/U/Pb_OUT_6
B/U/Pb_OUT_5
B/U/Pb_OUT_4
B/U/Pb_OUT_3
B/U/Pb_OUT_2
VSS7
VDD7
C1321
0.1u/10
B/U/Pb_OUT_1
B/U/Pb_OUT_0
CLKOUT
VSScore6
VDDcore6
C1320
0.1u/10
CTLOUT4
CTLOUT3
CTLOUT2
CTLOUT1
CTLOUT0
TEST_OUT1
TEST_OUT0
TEST3
SDRAM_CLKIN
VSS6
VDD6
C1319
0.1u/10
SDRAM_CLKOUT
R1319
22
SDRAM_DQM
SDRAM_CSN
SDRAM_BA0
SDRAM_BA1
SDRAM_CASN
SDRAM_RASN
SDRAMDATA(3)
SDRAMDATA(4)
SDRAMDATA(5)
SDRAMDATA(6)
SDRAM_ADDR(2)
SDRAM_ADDR(1)
SDRAM_ADDR(0)
SDRAM_WEN
SDRAMDATA(7)
SDRAMDATA(8)
SDRAMDATA(9)
SDRAMDATA(10)
SDRAMDATA(11)
VDD4
VSS4
SDRAMDATA(12)
SDRAMDATA(13)
SDRAMDATA(14)
SDRAMDATA(15)
VDDcore3
VSScore3
SDRAMDATA(16)
SDRAMDATA(17)
SDRAMDATA(18)
SDRAMDATA(19)
SDRAMDATA(20)
SDRAMDATA(21)
SDRAMDATA(22)
SDRAMDATA(23)
SDRAMDATA(24)
SDRAMDATA(25)
VDDcore4
VSScore4
SDRAMDATA(26)
SDRAMDATA(27)
SDRAMDATA(28)
SDRAMDATA(29)
SDRAMDATA(30)
SDRAMDATA(31)
VDD5
VSS5
TEST_IN
SDRAM_ADDR(10)
SDRAM_ADDR(9)
SDRAM_ADDR(8)
SDRAM_ADDR(7)
SDRAM_ADDR(6)
VDDcore5
VSScore5
SDRAM_ADDR(5)
SDRAM_ADDR(4)
SDRAM_ADDR(3)
C1314
C1315
C1316
C1317
C1318
1u/6.3
SDQ4
SDQ3
SDQ2
SDQ1
SDQ0
SDQ15
SDQ14
SDQ13
SDQ12
SDQ11
SDQ10
SDQ9
SDQ8
SDQ16
SDQ17
SDQ18
SDQ19
SDQ20
SDQ21
SDQ22
SDQ23
SDQ24
SDQ25
SDQ26
SDQ27
SDQ28
SDQ29
SDQ30
SDQ31
SDA10
SDA9
SDA8
SDA7
SDA6
SDA5
SDA4
SDA3
SDA2
SDA1
SDA0
SDWEN
GNDDH

AJ 3/4 HDMI & DLNA ASSY
(AWX8870)

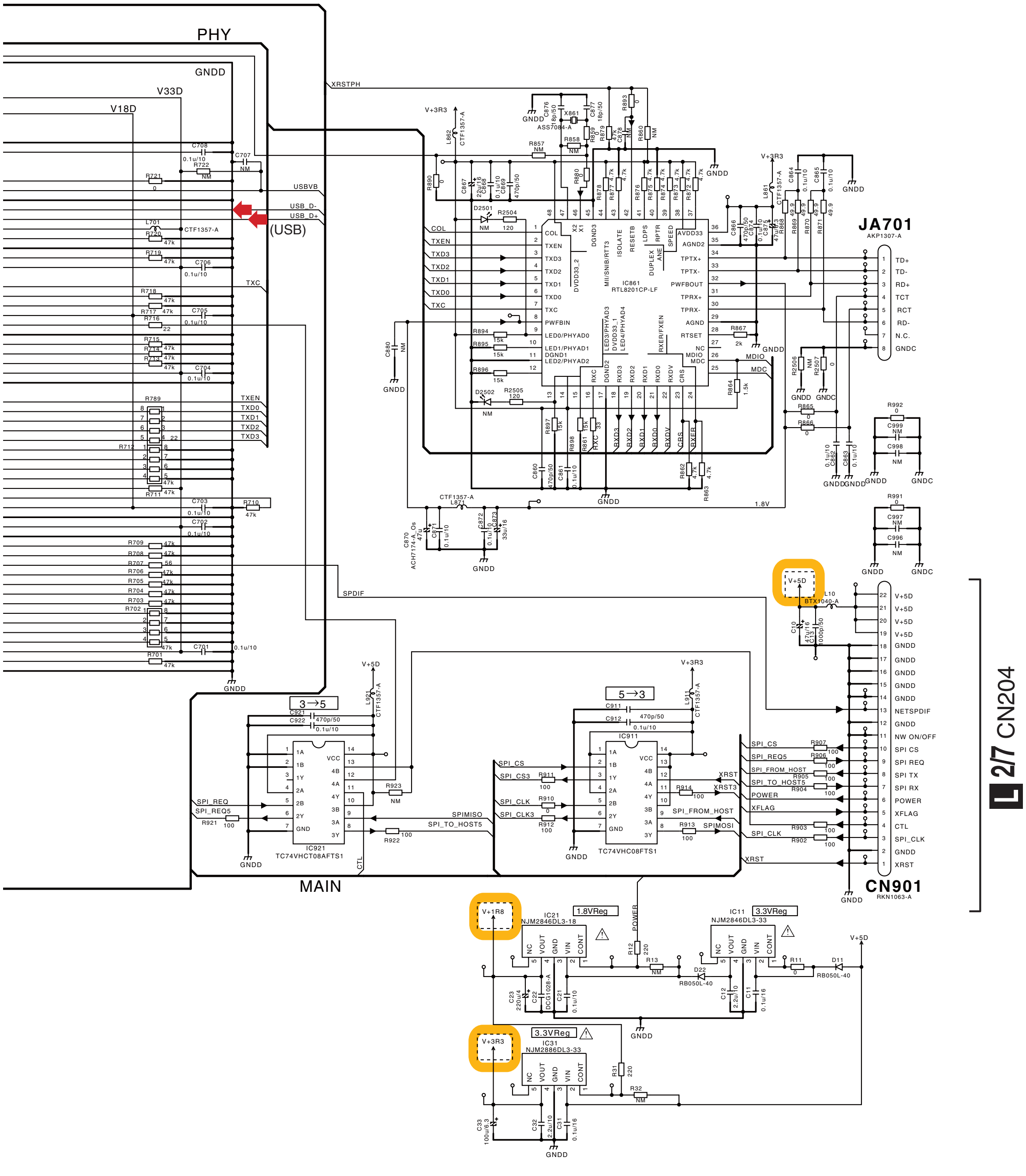

AJ 1/4,2/4
UC
DV
SW1
V+3DE
GNDDH
DECDV
AJ 2/4
HSYNC
VSYNC
DE
VCCK
D6
D7
D10
D11
D16
D17
D18
D19
D20
D21
D22
D23
D28
D29
D30
D31
D32
D33
D34
D35
R1381
R1382
R1383
R1384
R1394
68
R1385
R1386
R1387
R1388
C1381 0.1u/10
C1382 0.1u/10
C1383 0.1u/10
IC1381
IC1384
IC1383
TC74LCX541FTS1
VCC
OE1
OE2
A1
A2
A3
A4
A5
A6
A7
A8
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
GND
HS
VS
F/DE
LLC
P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P20
P21
P22
P23
P24
P25
P26
P27
P28
P29
R1317 22
R1316 22
R1315 22
R1314 22
R1313 68
VCCK
R1352 22
6VSYNC
5HSYNC
R1311 0
R1320 0
R1321 47
SC_SDCLK
SDDQM
SDCSN
SDBA0
SDBA1
SDCASN
SDRASN
64M SDRAM
IC1351
EDS6432AFTA-6B-E
R1353 NM
R1351 1k
C1352 1u/6.3
C1353 1u/6.3
C1354 1u/6.3
C1355 1u/6.3
C1356 1u/6.3
C1357 1u/6.3
C1358 1u/6.3
C1359 1u/6.3
C1360 1u/6.3
C1361 1u/6.3
C1362 1u/6.3
C1363 1u/6.3
C1351 47u/6.3
ACH7174-A
L1351
ATL7002-A
V+3R3_1
VDD1
VDDQ1
VSSQ1
VDDQ2
VSSQ2
VDD2
DQM0
WE
CAS
RAS
CS
BA0
BA1
A10(AP)
A0
A1
A2
DQM2
VDD3
VSSQ3
VDDQ3
VSSQ4
VDDQ4
VDD4
VSS4
VSSQ8
VDDQ8
VSSQ7
VDDQ7
VSS3
DQM1
CLK
CKE
DQM3
VSS2
VDDQ6
VSSQ6
VDDQ5
VSSQ5
VSS1
SDQ0
SDQ1
SDQ2
SDQ3
SDQ4
SDQ5
SDQ6
SDQ7
SDQ8
SDQ9
SDQ10
SDQ11
SDQ12
SDQ13
SDQ14
SDQ15
SDQ16
SDQ17
SDQ18
SDQ19
SDQ20
SDQ21
SDQ22
SDQ23
SDQ24
SDQ25
SDQ26
SDQ27
SDQ28
SDQ29
SDQ30
SDQ31
SDWEN
SDCASN
SDRASN
SDCSN
SDBA0
SDBA1
SDA0
SDA1
SDA2
SDA3
SDA4
SDA5
SDA6
SDA7
SDA8
SDA9
SDA10

10.34 HDMI & DLNA ASSY (4/4) (VSX-94TXH)

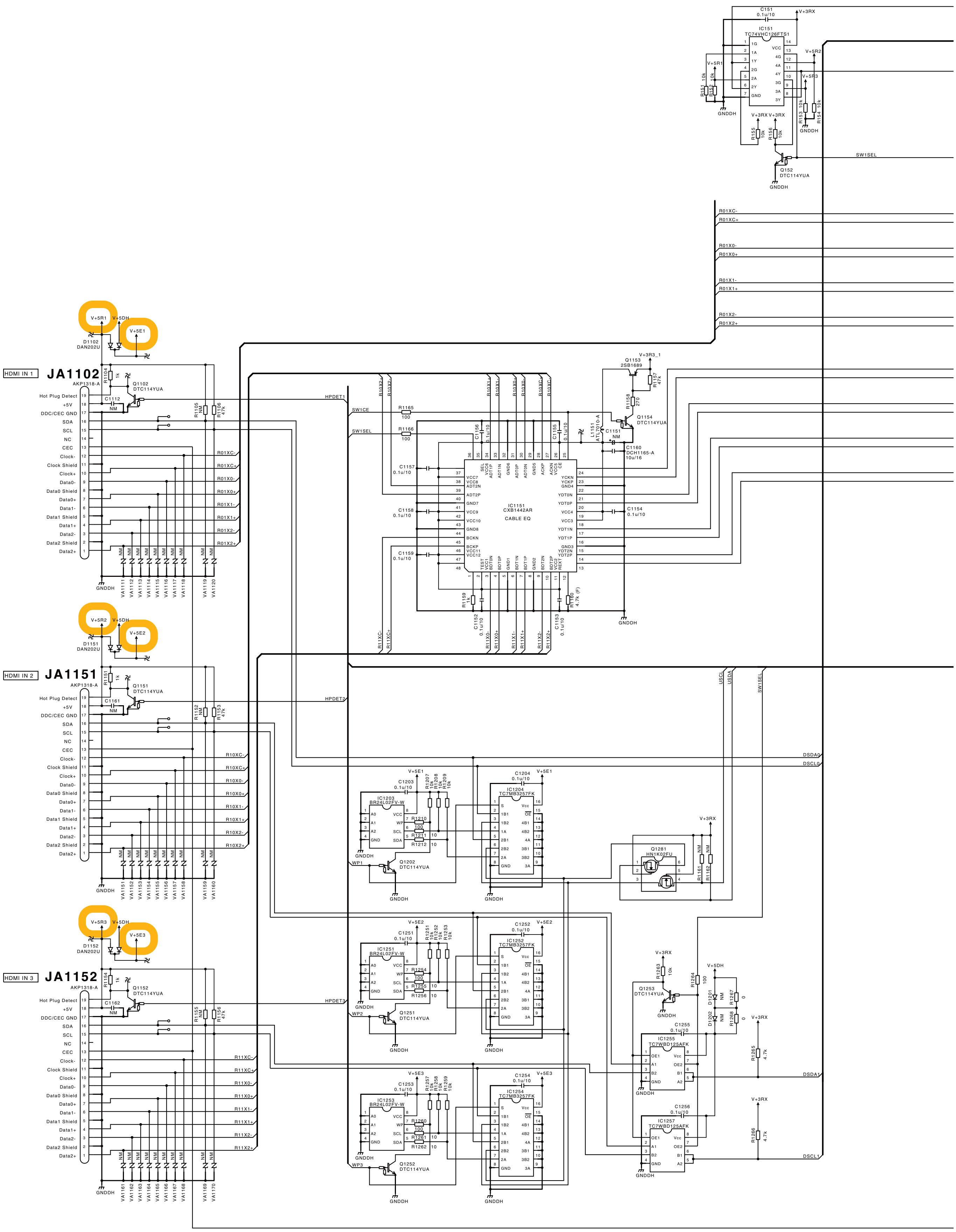

A
B
C
D
E
F
CN952
VKN1374-A
RXD1
TXD1
NC
V+3R3
GNDD
CN801
V5USB
D-
D+
GND
GNDS
AKM1276-A
C
CN3501
V5USB
(USB)
USB_D-
USB_D+
USB POWER CONTROL
V+5D
USBVB
XFLAG
CTL
IC801
AAT4618IGV-0.5-1
FAULT
ON
GND
OUT
IN
MAIN
SPI_CLK3
SPI_CS3
SPIMISO
SPIMOSI
TDI
TMS
TCK
TDO
V+1R8
V18D
V+3R3
V33D
ATF1211-A
GNDD
PHYCLK
IC701
DM850E
KN1
VNE1948-A
GNDC
GNDCS
RAM/ROM
FLASH ROM
IC881
AYW7185
64M SDRAM
IC891
HY57V641620FTP
CTF1357-A
XSS3003-A
24.576MHz
XRST3

AJ 4/4 HDMI & DLNA ASSY (AWX8870)

(USB) : AUDIO SIGNAL ROUTE (USB)

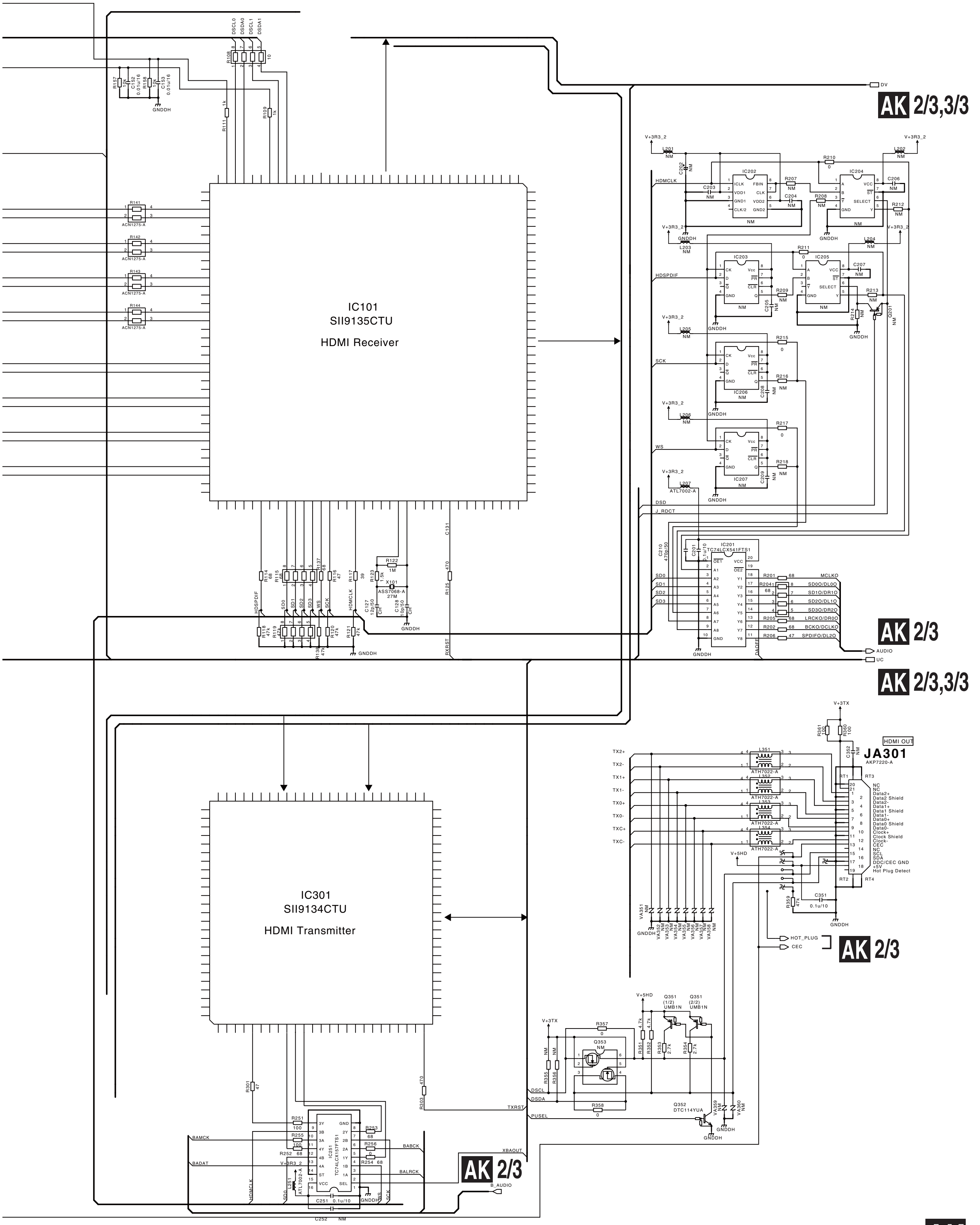

PHY
GNDD
V33D
V18D
XRSTPH
USBVB
USB_D-
USB_D+
(USB)
TXC
TXEN
TXD0
TXD1
TXD2
TXD3
SPDIF
V+3R3
V+5D
COL
IC861
RTL8201CP-LF
X861
ASS7084-A
JA701
AKP1307-A
TD+
TD-
RD+
TCT
RCT
RD-
N.C.
GNDC
MDIO
MDC
RXC
RXD0
RXD1
RXD2
RXD3
RXDV
CRS
RXER
1.8V
3→5
IC921
TC74VHCT08AFTS1
5→3
IC911
TC74VHC08FTS1
SPI_CS
SPI_CS3
SPI_CLK
SPI_CLK3
SPI_REQ
SPI_REQ5
SPIMISO
SPI_TO_HOST5
SPI_FROM_HOST
SPI_MOSI
XRST
XRST3
POWER
XFLAG
CTL
MAIN
CN901
RKN1063-A
V+5D
GNDD
NETSPDIF
NW ON/OFF
SPI CS
SPI REQ
SPI TX
SPI RX
XFLAG
SPI_CLK
L 2/7 CN204
V+1R8
IC21
NJM2846DL3-18
1.8VReg
IC11
NJM2846DL3-33
3.3VReg
IC31
NJM2886DL3-33
NC
VOUT
GND
VIN
CONT
D11
RB050L-40
D22
RB050L-40
V+3R3

10.35 HDMI & DVC ASSY (1/3) (VSX-92TXH)


A
B
C
D
E
F
HDMI IN 1
JA1102
AKP1318-A
HDMI IN 2
JA1151
AKP1318-A
HDMI IN 3
JA1152
AKP1318-A
Hot Plug Detect
+5V
DDC/CEC GND
SDA
SCL
NC
CEC
Clock-
Clock Shield
Clock+
Data0-
Data0 Shield
Data0+
Data1-
Data1 Shield
Data1+
Data2-
Data2 Shield
Data2+
V+5R1
V+5R2
V+5R3
V+5DH
V+5E1
V+5E2
V+5E3
D1102
DAN202U
D1151
DAN202U
D1152
DAN202U
Q1102
DTC114YUA
Q1151
DTC114YUA
Q1152
DTC114YUA
GNDDH
HPDET1
HPDET2
HPDET3
SW1CE
SW1SEL
R1165
100
R1166
100
IC1151
CXB1442AR
CABLE EQ
Q1153
2SB1689
Q1154
DTC114YUA
L1151
ATL7010-A
C1160
DCH1165-A
10u/16
IC151
TC74VHC126FTS1
Q152
DTC114YUA
V+3RX
V+3R3_1
R01XC-
R01XC+
R01X0-
R01X0+
R01X1-
R01X1+
R01X2-
R01X2+
R10XC-
R10XC+
R10X0-
R10X0+
R10X1-
R10X1+
R10X2-
R10X2+
R11XC-
R11XC+
R11X0-
R11X0+
R11X1-
R11X1+
R11X2-
R11X2+
IC1203
BR24L02FV-W
IC1204
TC7MB3257FK
Q1202
DTC114YUA
IC1251
BR24L02FV-W
IC1252
TC7MB3257FK
Q1251
DTC114YUA
IC1253
BR24L02FV-W
IC1254
TC7MB3257FK
Q1252
DTC114YUA
Q1281
HN1K02FU
Q1253
DTC114YUA
IC1255
TC7WBD125AFK
IC1257
TC7WBD125AFK
USCL
USDA
DSDA0
DSCL0
DSDA1
DSCL1
WP1
WP2
WP3

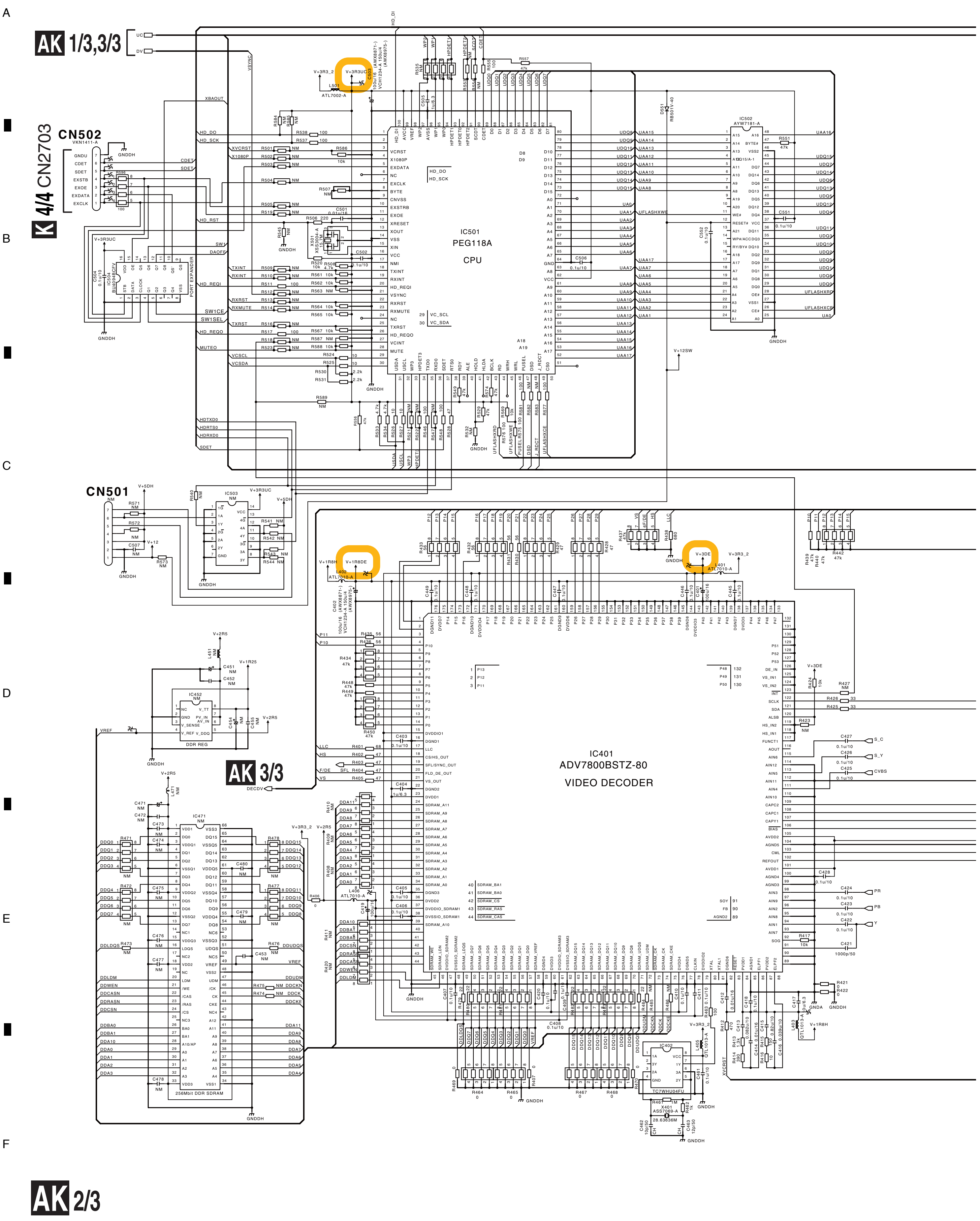
AK 1/3

AK 1/3 HDMI & DVC ASSY (AWX8871)

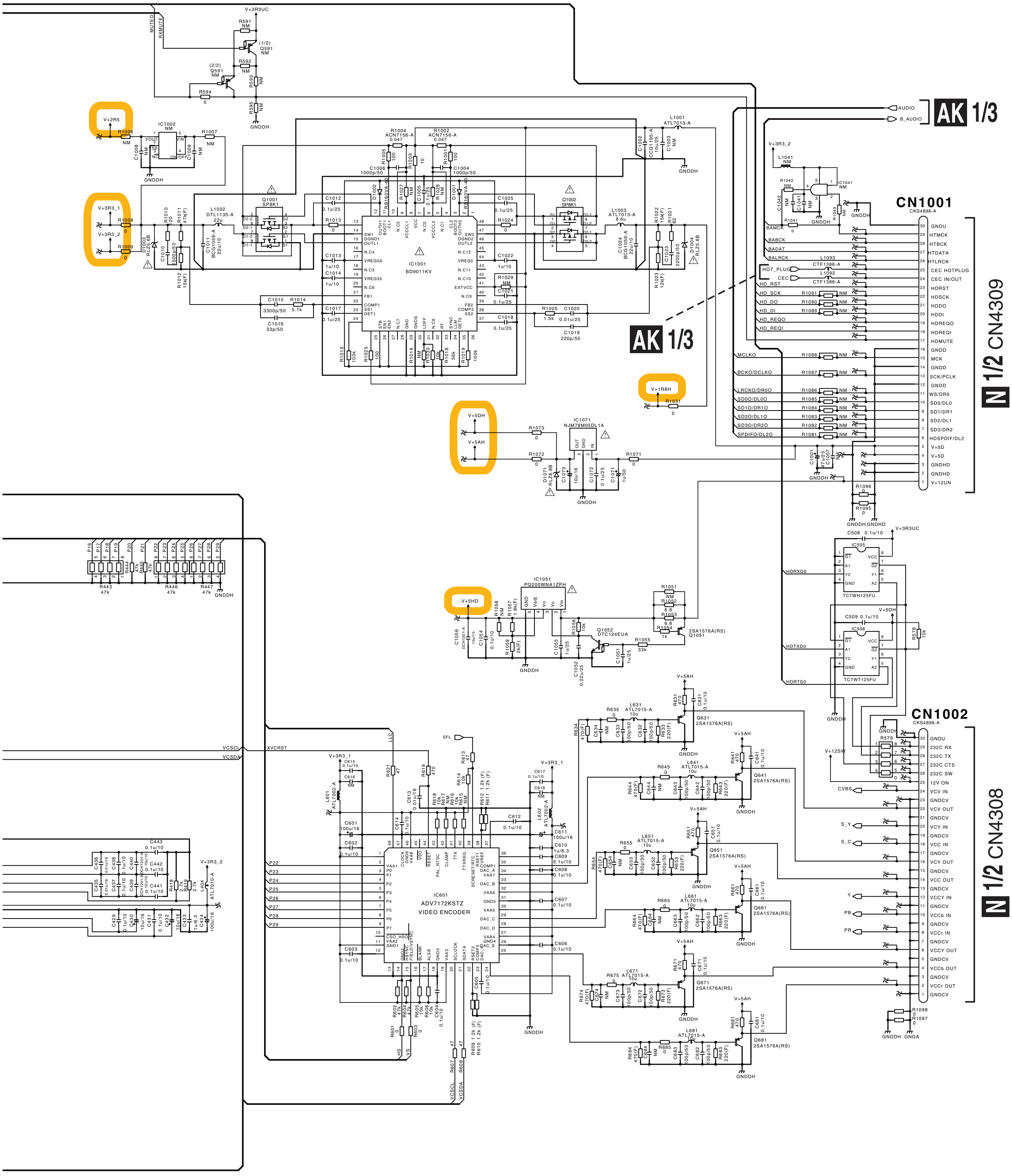


IC101
SII9135CTU
HDMI Receiver
IC301
SII9134CTU
HDMI Transmitter
AK 2/3,3/3
AK 2/3
DV
AUDIO
UC
HOT_PLUG
CEC
B_AUDIO
HDMI OUT
JA301
AKP7220-A
IC201
TC74LCX541FTS1
IC202
IC203
IC204
IC205
IC206
IC207
IC251
TC74LCX157FTS1
Q351
UMB1N
Q352
DTC114YUA
Q353
X101
ASS7068-A
27M
L351
L352
L353
L354
ATH7022-A
ACN1275-A
GNDDH
V+3R3_2
V+3TX
V+5HD
HDMCLK
HDSPDIF
SCK
WS
DSD
J_RDCT
SD0
SD1
SD2
SD3
MCLKO
SD0O/DL0O
SD1O/DR1O
SD2O/DL1O
SD3O/DR2O
LRCKO/DR0O
BCKO/DCLKO
SPDIFO/DL2O
DSCL0
DSDA0
DSCL1
DSDA1
DSCL
DSDA
TXRST
PUSEL
RXRST
BAMCK
BADAT
BABCK
BALRCK
XBAOUT
TX2+
TX2-
TX1+
TX1-
TX0+
TX0-
TXC+
TXC-
NC
Data2+
Data2 Shield
Data2-
Data1+
Data1 Shield
Data1-
Data0+
Data0 Shield
Data0-
Clock+
Clock Shield
Clock-
CEC
SCL
SDA
DDC/CEC GND
+5V
Hot Plug Detect

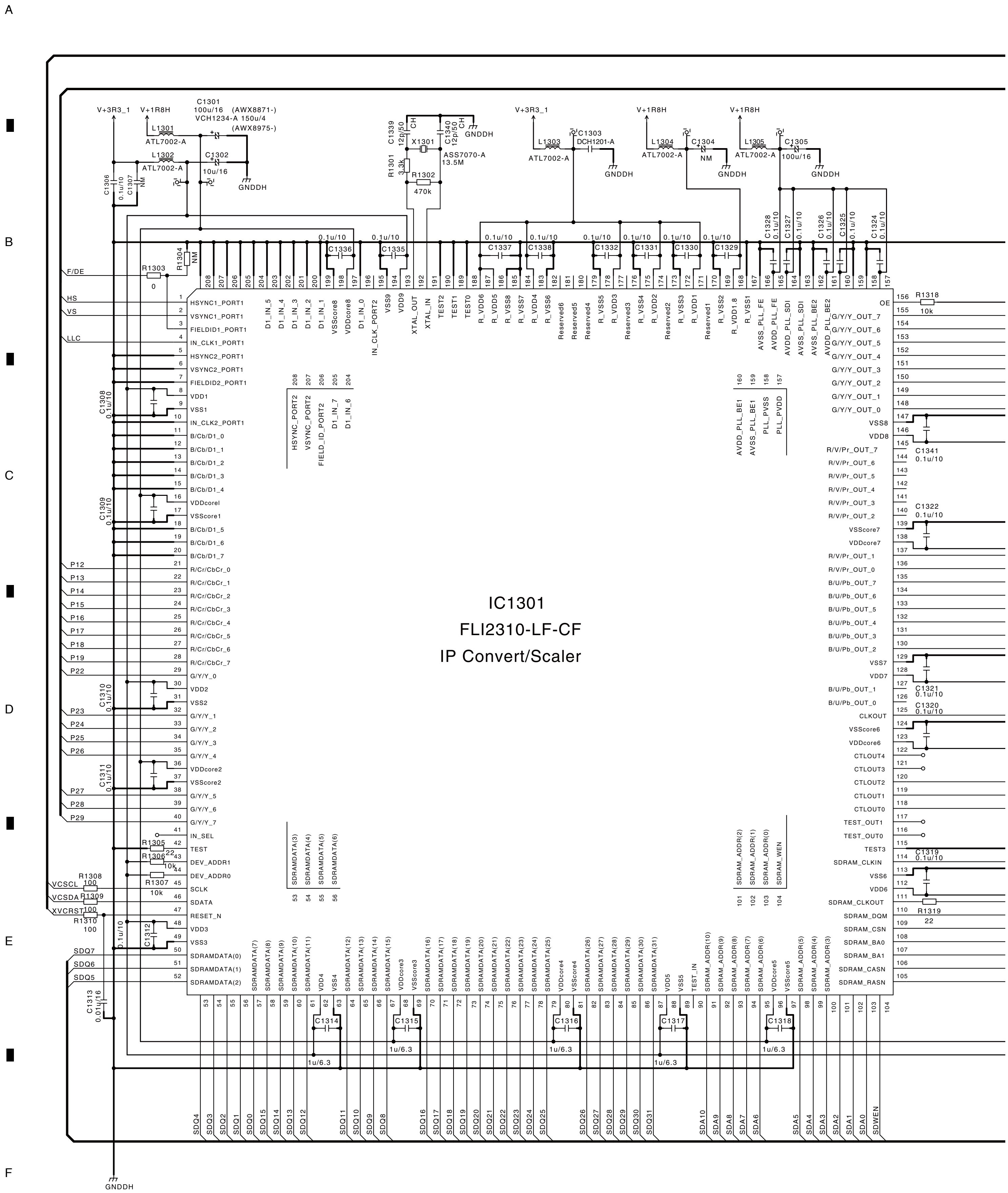
10.36 HDMI & DVC ASSY (2/3) (VSX-92TXH)


AK 1/3,3/3
UC
DV
CN502
VKN1411-A
K 4/4 CN2703
GNDU
CDET
SDET
EXSTB
EXOE
EXDATA
EXCLK
GNDDH
IC504
BU4094BCFV
IC501
PEG118A
CPU
X501
L501
ATL7002-A
IC502
AYW7181-A
CN501
IC503
IC452
DDR REG
AK 3/3
DECDV
IC471
256Mbit DDR SDRAM
IC401
ADV7800BSTZ-80
VIDEO DECODER
IC402
TC7WHU04FU
X401
ASS7069-A
28.63636M
L401
ATL7010-A
L402
ATL7010-A
L406
ATL7010-A
V+3R3UC
V+5DH
V+3DE
V+1R8DE
V+1R8H
V+3R3_2
V+2R5
V+1R25
V+12SW
V+12
VREF
S_C
S_Y
CVBS
PR
PB
Y
AK 2/3

AK 2/3 HDMI & DVC ASSY (AWX8871)

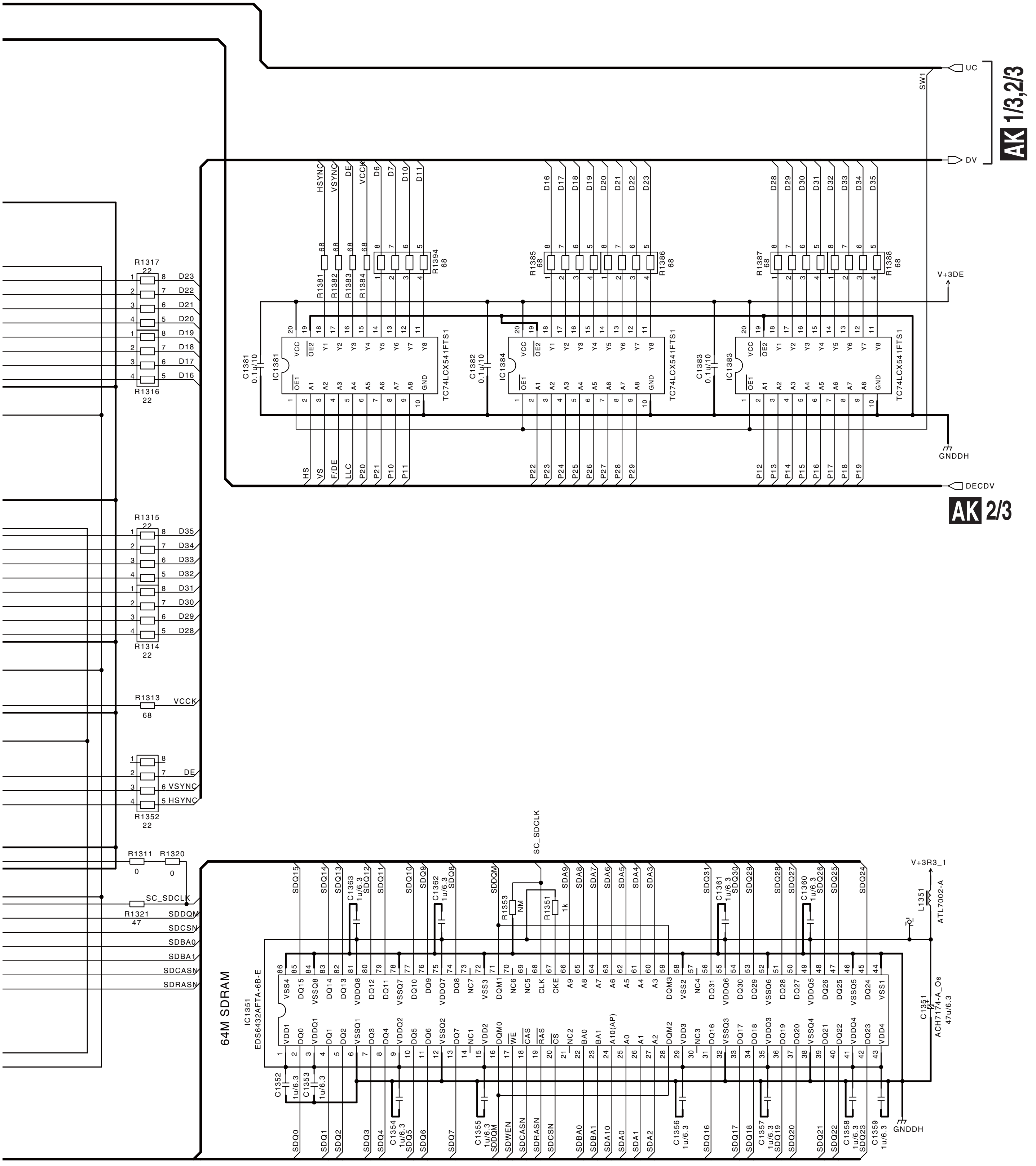

AK 1/3
AUDIO
B_AUDIO
V+3R3UC
Q591
R591
R592
R593
R594
R595
MUTEO
RXMUTE
GNDDH
V+2R5
R1006
IC1002
R1007
C1008
C1009
V+3R3_1
V+3R3_2
R1008
R1009
R1010
R1011
R1012
D1003
C1010
C1011
L1002
DTL1135-A
Q1001
SP8K1
R1004
ACN7156-A
R1002
ACN7156-A
R1005
R1003
R1001
C1006
C1004
D1002
D1001
R1027
C1005
R1028
C1012
R1013
C1013
C1014
C1015
R1014
C1016
C1017
IC1001
BD9011KV
C1025
R1024
C1022
R1029
C1021
C1018
R1020
C1020
C1019
Q1002
SP8K1
L1003
ATL7013-A
C1024
BCG1059-A
R1022
R1021
R1023
C1023
D1004
L1001
ATL7010-A
C1002
CCG1195-A
C1003
R1015
R1025
R1016
R1026
R1018
R1019
V+1R8H
R1031
V+5DH
V+5AH
R1073
R1072
IC1071
NJM78M05DL1A
R1071
D1071
C1073
C1072
C1071
V+3R3_2
L1041
R1042
IC1041
C1042
C1041
R1041
R1043
CN1001
CKS4898-A
BAMCK
BABCK
BADAT
BALRCK
HOT_PLUG
CEC
HD_RST
HD_SCK
HD_DO
HD_DI
HD_REQO
HD_REQI
L1093
CTF1386-A
L1092
CTF1386-A
R1091
R1090
R1089
MCLKO
BCKO/DCLKO
LRCKO/DR0O
SD0O/DL0O
SD1O/DR1O
SD2O/DL1O
SD3O/DR2O
SPIFO/DL2O
R1088
R1087
R1086
R1085
R1084
R1083
R1082
R1081
C1091
C1007
R1096
R1095
GNDU
HTMCK
HTBCK
HTDATA
HTLRCK
CEC HOTPLUG
CEC IN/OUT
HDRST
HDSCK
HDDO
HDDI
HDREQO
HDREQI
HDMUTE
GNDD
MCK
SCK/PCLK
WS/DR0
SD0/DL0
SD1/DR1
SD2/DL1
SD3/DR2
HDSPDIF/DL2
V+5D
GNDHD
V+12UN
N 1/2 CN4309
C508
IC505
TC7WH125FU
HDRXD0
HDTXD0
HDRTS0
C509
IC506
TC7WT125FU
R578
V+5DH
CN1002
CKS4898-A
R579
V+12SW
232C RX
232C TX
232C CTS
232C SW
12V ON
VCV IN
GNDCV
VCV OUT
VCY IN
VCC IN
VCY OUT
VCC OUT
VCCY IN
VCCb IN
VCCr IN
VCCY OUT
VCCb OUT
VCCr OUT
CVBS
S_Y
S_C
Y
PB
PR
R1098
R1097
GNDA
N 1/2 CN4308
P16 P17 P18 P19 P20 P21 P22 P23 P24 P25 P26 P27 P28 P29
R443
R444
R445
R446
R447
V+5HD
IC1051
PQ200WNA1ZPH
R1058
R1057
C1056
C1054
R1059
R1056
C1053
C1052
C1051
Q1052
DTC124EUA
R1055
R1051
R1052
R1053
R1054
Q1051
2SA1576A(RS)
V+5AH
L631
ATL7015-A
Q631
2SA1576A(RS)
L641
Q641
L651
Q651
L661
Q661
L671
Q671
L681
Q681
VCSCL
VCSDA
XVCRST
LLC
SFL
V+3R3_1
C615
C616
L601
ATL7002-A
C601
C602
C603
C613
C614
R621
R619
R613
R614
R618
R617
R616
R615
R612
R611
C612
C617
C618
L602
ATL7002-A
C611
C610
C609
C608
C607
C606
C605
IC601
ADV7172KSTZ
VIDEO ENCODER
R601
R602
R603
R604
R605
R606
C604
R607
R608
R609
R610
C443
C436
C438
C440
C442
C435
C437
C439
C441
C429
C430
C431
C432
C433
C434
R418
R419
L404
ATL7010-A
V+3R3_2
AK 1/3

10.37 HDMI & DVC ASSY (3/3) (VSX-92TXH)


A
B
C
D
E
F
V+3R3_1
V+1R8H
C1301
100u/16 (AWX8871-)
VCH1234-A 150u/4
(AWX8975-)
L1301
ATL7002-A
L1302
ATL7002-A
C1302
10u/16
GNDDH
C1306
0.1u/10
C1307
NM
C1339
12p/50
CH
C1340
12p/50
CH
X1301
ASS7070-A
13.5M
R1301
3.3k
R1302
470k
V+3R3_1
C1303
DCH1201-A
L1303
ATL7002-A
V+1R8H
L1304
ATL7002-A
C1304
NM
V+1R8H
L1305
ATL7002-A
C1305
100u/16
C1328 0.1u/10
C1327 0.1u/10
C1326 0.1u/10
C1325 0.1u/10
C1324 0.1u/10
C1336
C1335
C1337
C1338
C1332
C1331
C1330
C1329
0.1u/10
F/DE
R1303
0
R1304
NM
HS
VS
LLC
R1318
10k
OE
C1308 0.1u/10
C1309 0.1u/10
C1310 0.1u/10
C1311 0.1u/10
C1312 0.1u/10
C1313 0.01u/16
C1341 0.1u/10
C1322 0.1u/10
C1321 0.1u/10
C1320 0.1u/10
C1319 0.1u/10
R1319
22
P12
P13
P14
P15
P16
P17
P18
P19
P22
P23
P24
P25
P26
P27
P28
P29
R1305
22
R1306
10k
R1307
10k
R1308
100
R1309
100
R1310
100
VCSCL
VCSDA
XVCRST
SDQ7
SDQ6
SDQ5
IC1301
FLI2310-LF-CF
IP Convert/Scaler
HSYNC1_PORT1
VSYNC1_PORT1
FIELDID1_PORT1
IN_CLK1_PORT1
HSYNC2_PORT1
VSYNC2_PORT1
FIELDID2_PORT1
VDD1
VSS1
IN_CLK2_PORT1
B/Cb/D1_0
B/Cb/D1_1
B/Cb/D1_2
B/Cb/D1_3
B/Cb/D1_4
VDDcoreI
VSScore1
B/Cb/D1_5
B/Cb/D1_6
B/Cb/D1_7
R/Cr/CbCr_0
R/Cr/CbCr_1
R/Cr/CbCr_2
R/Cr/CbCr_3
R/Cr/CbCr_4
R/Cr/CbCr_5
R/Cr/CbCr_6
R/Cr/CbCr_7
G/Y/Y_0
VDD2
VSS2
G/Y/Y_1
G/Y/Y_2
G/Y/Y_3
G/Y/Y_4
VDDcore2
VSScore2
G/Y/Y_5
G/Y/Y_6
G/Y/Y_7
IN_SEL
TEST
DEV_ADDR1
DEV_ADDR0
SCLK
SDATA
RESET_N
VDD3
VSS3
SDRAMDATA(0)
SDRAMDATA(1)
SDRAMDATA(2)
D1_IN_5
D1_IN_4
D1_IN_3
D1_IN_2
D1_IN_1
VSScore8
VDDcore8
D1_IN_0
IN_CLK_PORT2
VSS9
VDD9
XTAL_OUT
XTAL_IN
TEST2
TEST1
TEST0
R_VDD6
R_VDD5
R_VSS8
R_VSS7
R_VDD4
R_VSS6
Reserved6
Reserved5
Reserved4
R_VSS5
R_VDD3
Reserved3
R_VSS4
R_VDD2
Reserved2
R_VSS3
R_VDD1
Reserved1
R_VSS2
R_VDD1.8
R_VSS1
AVSS_PLL_FE
AVDD_PLL_FE
AVDD_PLL_SDI
AVSS_PLL_SDI
AVSS_PLL_BE2
AVDD_PLL_BE2
HSYNC_PORT2
VSYNC_PORT2
FIELD_ID_PORT2
D1_IN_7
D1_IN_6
AVDD_PLL_BE1
AVSS_PLL_BE1
PLL_PVSS
PLL_PVDD
G/Y/Y_OUT_7
G/Y/Y_OUT_6
G/Y/Y_OUT_5
G/Y/Y_OUT_4
G/Y/Y_OUT_3
G/Y/Y_OUT_2
G/Y/Y_OUT_1
G/Y/Y_OUT_0
VSS8
VDD8
R/V/Pr_OUT_7
R/V/Pr_OUT_6
R/V/Pr_OUT_5
R/V/Pr_OUT_4
R/V/Pr_OUT_3
R/V/Pr_OUT_2
VSScore7
VDDcore7
R/V/Pr_OUT_1
R/V/Pr_OUT_0
B/U/Pb_OUT_7
B/U/Pb_OUT_6
B/U/Pb_OUT_5
B/U/Pb_OUT_4
B/U/Pb_OUT_3
B/U/Pb_OUT_2
VSS7
VDD7
B/U/Pb_OUT_1
B/U/Pb_OUT_0
CLKOUT
VSScore6
VDDcore6
CTLOUT4
CTLOUT3
CTLOUT2
CTLOUT1
CTLOUT0
TEST_OUT1
TEST_OUT0
TEST3
SDRAM_CLKIN
VSS6
VDD6
SDRAM_CLKOUT
SDRAM_DQM
SDRAM_CSN
SDRAM_BA0
SDRAM_BA1
SDRAM_CASN
SDRAM_RASN
SDRAMDATA(3)
SDRAMDATA(4)
SDRAMDATA(5)
SDRAMDATA(6)
SDRAM_ADDR(2)
SDRAM_ADDR(1)
SDRAM_ADDR(0)
SDRAM_WEN
SDRAMDATA(7)
SDRAMDATA(8)
SDRAMDATA(9)
SDRAMDATA(10)
SDRAMDATA(11)
VDD4
VSS4
SDRAMDATA(12)
SDRAMDATA(13)
SDRAMDATA(14)
SDRAMDATA(15)
VDDcore3
VSScore3
SDRAMDATA(16)
SDRAMDATA(17)
SDRAMDATA(18)
SDRAMDATA(19)
SDRAMDATA(20)
SDRAMDATA(21)
SDRAMDATA(22)
SDRAMDATA(23)
SDRAMDATA(24)
SDRAMDATA(25)
VDDcore4
VSScore4
SDRAMDATA(26)
SDRAMDATA(27)
SDRAMDATA(28)
SDRAMDATA(29)
SDRAMDATA(30)
SDRAMDATA(31)
VDD5
VSS5
TEST_IN
SDRAM_ADDR(10)
SDRAM_ADDR(9)
SDRAM_ADDR(8)
SDRAM_ADDR(7)
SDRAM_ADDR(6)
VDDcore5
VSScore5
SDRAM_ADDR(5)
SDRAM_ADDR(4)
SDRAM_ADDR(3)
C1314
C1315
C1316
C1317
C1318
1u/6.3
SDQ4
SDQ3
SDQ2
SDQ1
SDQ0
SDQ15
SDQ14
SDQ13
SDQ12
SDQ11
SDQ10
SDQ9
SDQ8
SDQ16
SDQ17
SDQ18
SDQ19
SDQ20
SDQ21
SDQ22
SDQ23
SDQ24
SDQ25
SDQ26
SDQ27
SDQ28
SDQ29
SDQ30
SDQ31
SDA10
SDA9
SDA8
SDA7
SDA6
SDA5
SDA4
SDA3
SDA2
SDA1
SDA0
SDWEN
GNDDH

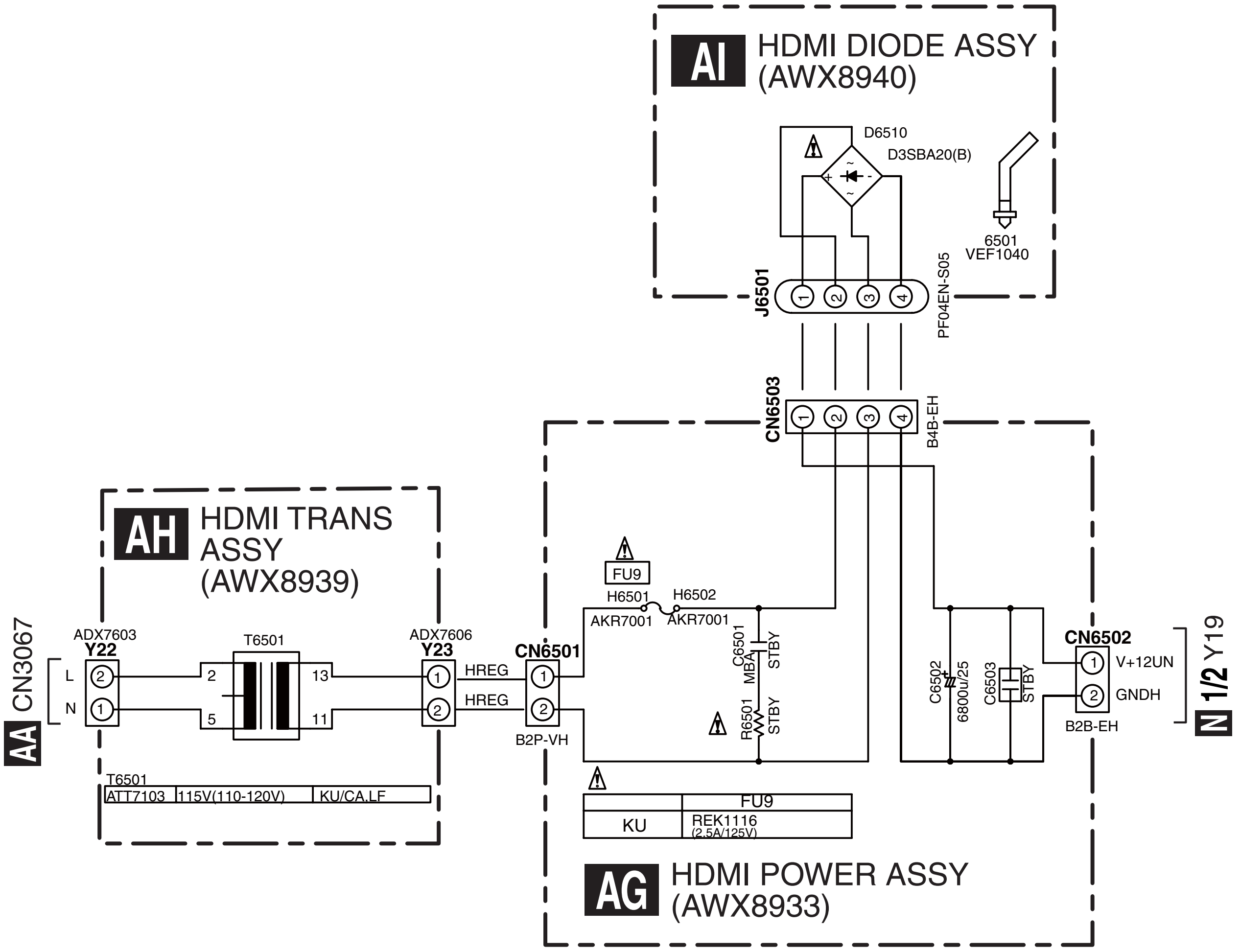
AK 3/3

AK 3/3 HDMI & DVC ASSY (AWX8871)


UC
DV
SW1
AK 1/3,2/3
DECDV
AK 2/3
V+3DE
GNDDH
IC1381
IC1384
IC1383
TC74LCX541FTS1
C1381 0.1u/10
C1382 0.1u/10
C1383 0.1u/10
R1381 68
R1382 68
R1383 68
R1384 68
R1394 68
R1385 68
R1386 68
R1387 68
R1388 68
HSYNC
VSYNC
DE
VCCK
D6
D7
D10
D11
D16
D17
D18
D19
D20
D21
D22
D23
D28
D29
D30
D31
D32
D33
D34
D35
HS
VS
F/DE
LLC
P20
P21
P10
P11
P22
P23
P24
P25
P26
P27
P28
P29
P12
P13
P14
P15
P16
P17
P18
P19
R1317 22
R1316 22
R1315 22
R1314 22
R1313 68
R1352 22
R1311 0
R1320 0
R1321 47
SC_SDCLK
SDDQM
SDCSN
SDBA0
SDBA1
SDCASN
SDRASN
64M SDRAM
IC1351
EDS6432AFTA-6B-E
R1353 NM
R1351 1k
C1363 1u/6.3
C1362 1u/6.3
C1361 1u/6.3
C1360 1u/6.3
C1352 1u/6.3
C1353 1u/6.3
C1354 1u/6.3
C1355 1u/6.3
C1356 1u/6.3
C1357 1u/6.3
C1358 1u/6.3
C1359 1u/6.3
C1351 ACH7174-A_Os 47u/6.3
L1351 ATL7002-A
V+3R3_1
GNDDH
SDQ0
SDQ1
SDQ2
SDQ3
SDQ4
SDQ5
SDQ6
SDQ7
SDQ8
SDQ9
SDQ10
SDQ11
SDQ12
SDQ13
SDQ14
SDQ15
SDQ16
SDQ17
SDQ18
SDQ19
SDQ20
SDQ21
SDQ22
SDQ23
SDQ24
SDQ25
SDQ26
SDQ27
SDQ28
SDQ29
SDQ30
SDQ31
SDDQM
SDWEN
SDCASN
SDRASN
SDCSN
SDBA0
SDBA1
SDA0
SDA1
SDA2
SDA3
SDA4
SDA5
SDA6
SDA7
SDA8
SDA9
SDA10

AK 3/3

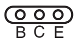
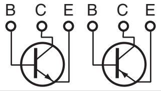
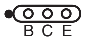
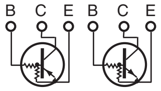
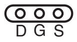
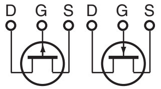
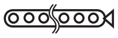
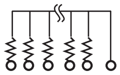
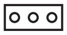
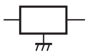
10.38 HDMI POWER, HDMI TRANS and HDMI DIODE ASSYS


AI
HDMI DIODE ASSY
(AWX8940)
D6510
D3SBA20(B)
6501
VEF1040
J6501
PF04EN-S05
CN6503
B4B-EH
AH
HDMI TRANS
ASSY
(AWX8939)
AA
CN3067
L
N
ADX7603
Y22
T6501
ADX7606
Y23
HREG
HREG
CN6501
B2P-VH
T6501
ATT7103
115V(110-120V)
KU/CA,LF
FU9
H6501
AKR7001
H6502
AKR7001
C6501
MBA
STBY
R6501
STBY
C6502
6800u/25
C6503
STBY
CN6502
V+12UN
GNDH
B2B-EH
N 1/2 Y19
FU9
KU
REK1116
(2.5A/125V)
AG
HDMI POWER ASSY
(AWX8933)

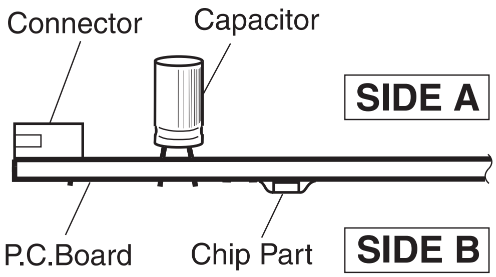
11. PCB CONNECTION DIAGRAM

NOTE FOR PCB DIAGRAMS :

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol In PCB Diagrams	Symbol In Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

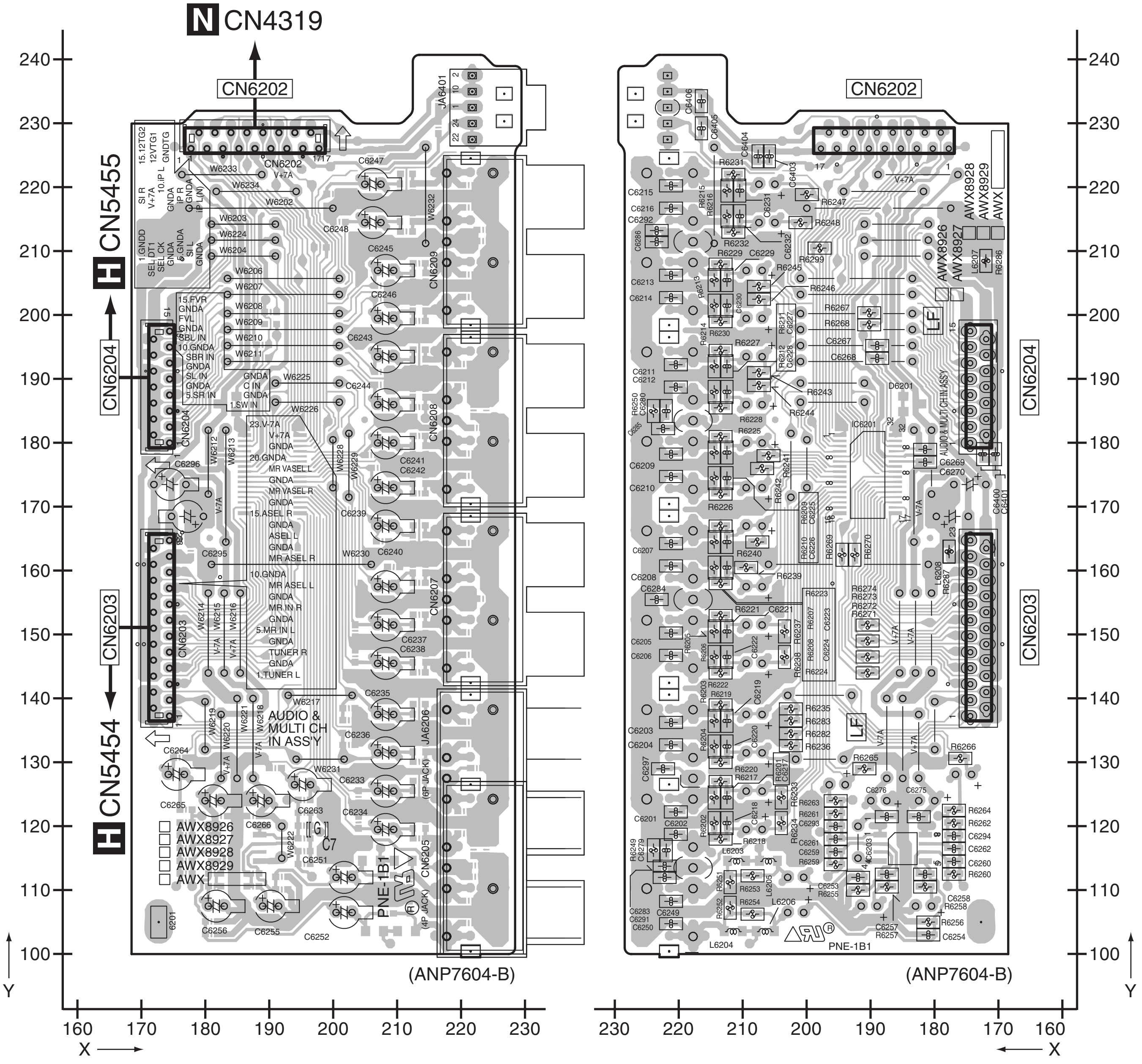
3. The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.
4. View point of PCB diagrams.


Connector
Capacitor
SIDE A
P.C.Board
Chip Part
SIDE B

11.1 AUDIO & MULTI CH IN ASSY

SIDE A **SIDE B**

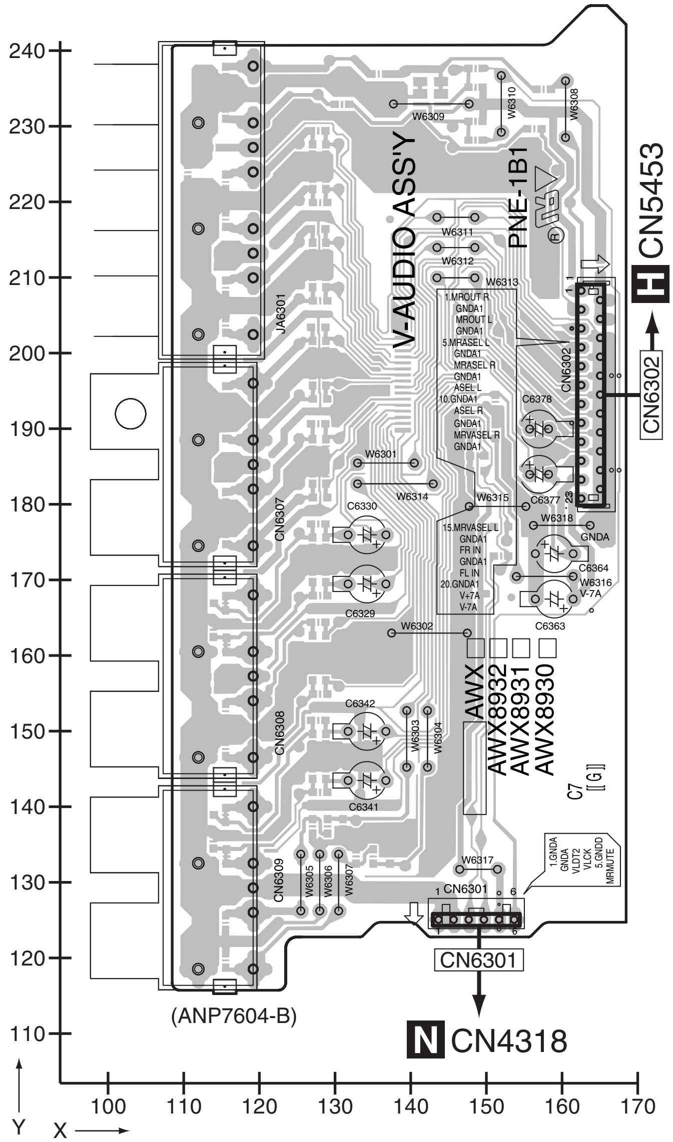
A AUDIO & MULTI CH IN ASSY A AUDIO & MULTI CH IN ASSY


N CN4319
CN6202
H CN5455
CN6204
CN6203
H CN5454
JA6401
CN6209
CN6208
CN6207
JA6206
CN6205
AUDIO & MULTI CH IN ASS'Y
PNE-1B1
(6P JACK)
(4P JACK)
AWX8926
AWX8927
AWX8928
AWX8929
AWX
IC6201
D6201
LF
(ANP7604-B)
(ANP7604-B)
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
Y
160 170 180 190 200 210 220 230
X
230 220 210 200 190 180 170 160
X

11.2 V-AUDIO and HEADPHONE ASSYS

SIDE A

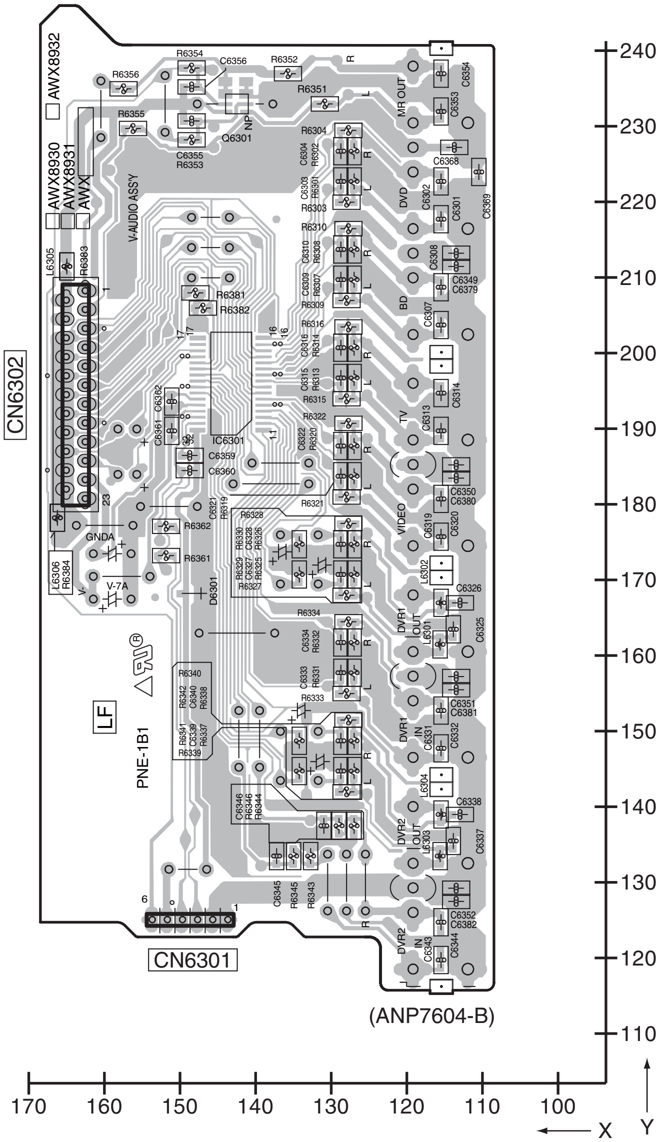
B V-AUDIO ASSY



JA6301
CN6307
CN6308
CN6309
V-AUDIO ASS'Y
PNE-1B1
CN6302
H CN5453
CN6301
N CN4318
W6301
W6302
W6303
W6304
W6305
W6306
W6307
W6308
W6309
W6310
W6311
W6312
W6313
W6314
W6315
W6316
W6317
W6318
C6329
C6330
C6341
C6342
C6363
C6364
C6377
C6378
1.MROUT R
GNDA1
MROUT L
GNDA1
5.MRASEL L
GNDA1
MRASEL R
GNDA1
ASEL L
10.GNDA1
ASEL R
GNDA1
MRVASEL R
GNDA1
15.MRVASEL L
GNDA1
FR IN
GNDA1
FL IN
20.GNDA1
V+7A
V-7A
GNDA
V-7A
1.GNDA
GNDA
VLDT2
VLCK
5.GNDD
MRMUTE
AWX
AWX8932
AWX8931
AWX8930
C7
[G]
(ANP7604-B)
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
110
120
130
140
150
160
170
Y
X

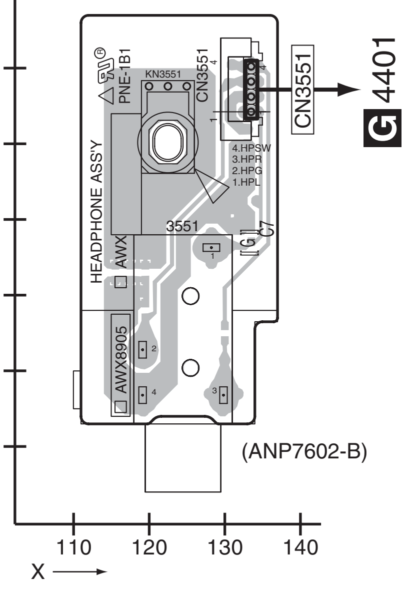
SIDE B

B V-AUDIO ASSY



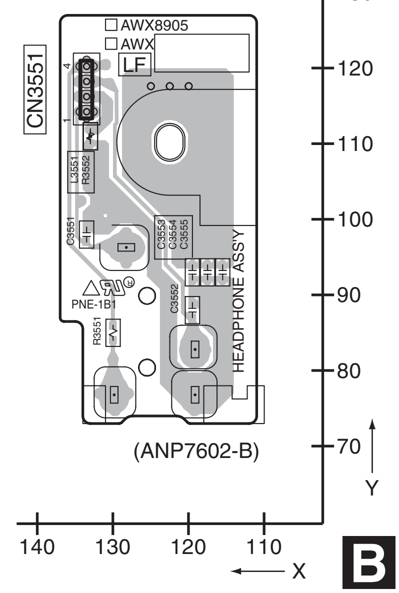
AWX8932
AWX8930
AWX8931
AWX
V-AUDIO ASSY
CN6302
CN6301
IC6301
Q6301
D6301
L6305
L6306
R6383
R6384
R6354
R6356
R6355
R6353
R6352
R6351
C6356
C6355
R6381
R6382
C6361
C6362
C6359
C6360
C6321
R6319
R6362
R6361
R6328
R6321
R6334
R6340
R6333
R6304
R6303
R6310
R6309
R6316
R6315
R6322
R6346
R6345
R6344
R6343
C6345
MR OUT
DVD
BD
TV
VIDEO
DVR1
DVR2
IOUT
IN
C6354
C6353
C6368
C6369
C6302
C6301
C6308
C6349
C6379
C6307
C6313
C6314
C6319
C6350
C6380
C6320
C6326
C6325
C6351
C6381
C6331
C6332
C6338
C6337
C6352
C6382
C6343
C6344
L6301
L6302
L6303
L6304
GNDA
V-7A
LF
PNE-1B1
R
L
(ANP7604-B)
240
230
220
210
200
190
180
170
160
150
140
130
120
110
170
160
150
140
130
120
110
100
X
Y

D HEADPHONE ASSY



PNE-1B1
KN3551
CN3551
3551
HEADPHONE ASS'Y
AWX
AWX8905
4.HPSW
3.HPR
2.HPG
1.HPL
C7
[G]
CN3551
G 4401
(ANP7602-B)
130
120
110
100
90
80
70
Y
110
120
130
140
X

D HEADPHONE ASSY



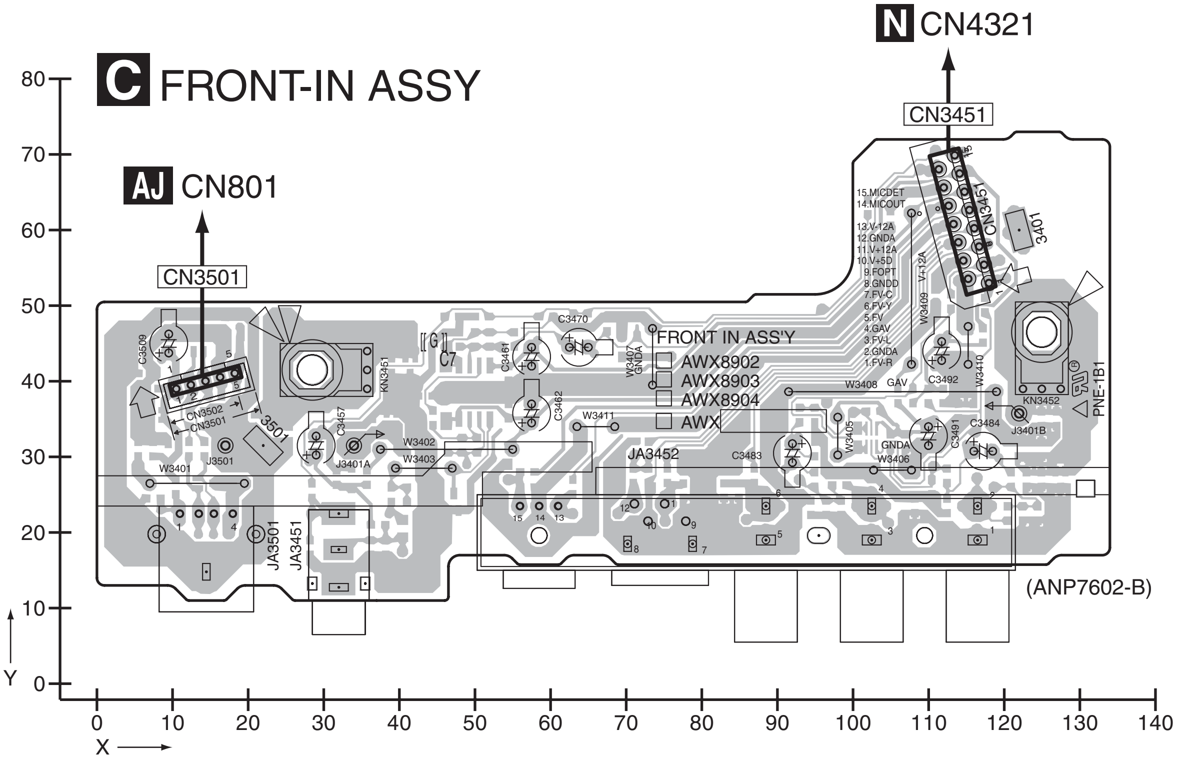
AWX8905
AWX
LF
CN3551
L3551
R3552
C3551
C3553
C3554
C3555
C3552
R3551
PNE-1B1
HEADPHONE ASS'Y
(ANP7602-B)
130
120
110
100
90
80
70
Y
140
130
120
110
X

B D

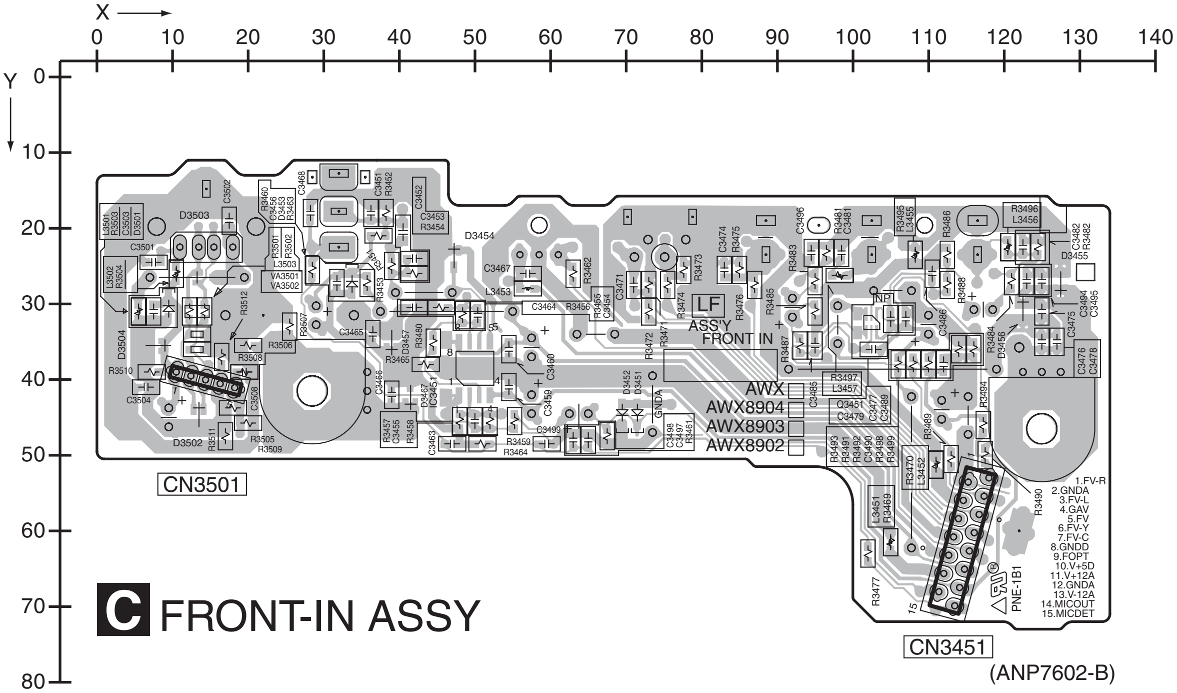
B D

11.3 FRONT-IN ASSY

SIDE A **SIDE A**


N CN4321
C FRONT-IN ASSY
CN3451
AJ CN801
CN3501
15.MICDET
14.MICOUT
13.V-12A
12.GNDA
11.V+12A
10.V+5D
9.FOPT
8.GNDD
7.FV-C
6.FV-Y
5.FV
4.GAV
3.FV-L
2.GNDA
1.FV-R
FRONT IN ASS'Y
AWX8902
AWX8903
AWX8904
AWX
JA3452
JA3501
JA3451
PNE-1B1
KN3452
J3401B
(ANP7602-B)
Y
X
0 10 20 30 40 50 60 70 80
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140

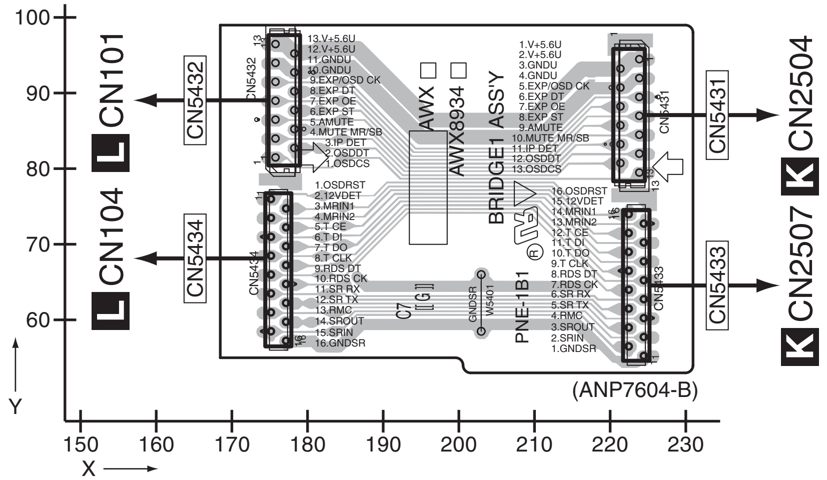
SIDE B **SIDE B**


X
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140
Y
0 10 20 30 40 50 60 70 80
LF
FRONT IN ASS'Y
AWX
AWX8904
AWX8903
AWX8902
CN3501
C FRONT-IN ASSY
1.FV-R
2.GNDA
3.FV-L
4.GAV
5.FV
6.FV-Y
7.FV-C
8.GNDD
9.FOPT
10.V+5D
11.V+12A
12.GNDA
13.V-12A
14.MICOUT
15.MICDET
PNE-1B1
CN3451
(ANP7602-B)

11.4 BRIDGE1 and BRIDGE2 ASSYS

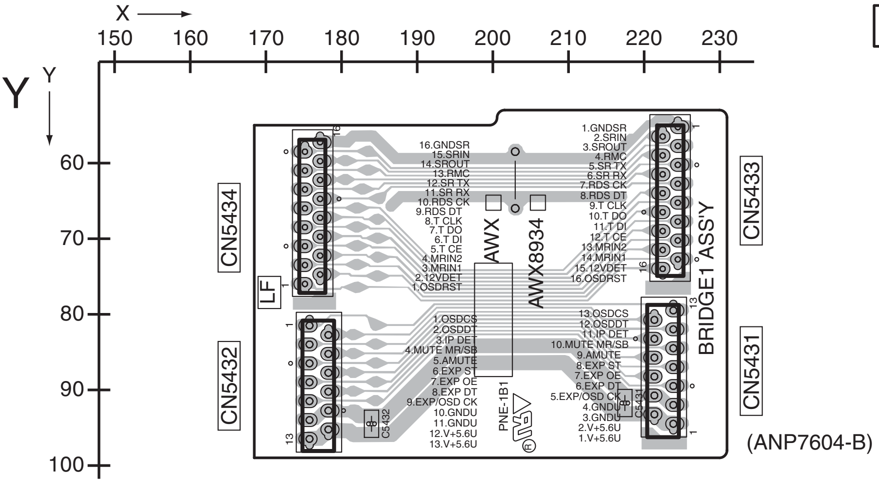
SIDE A **SIDE A**

E BRIDGE1 ASSY


CN5432
CN101
L
CN5434
CN104
L
CN5431
CN2504
K
CN5433
CN2507
K
AWX8934
BRIDGE1 ASS'Y
PNE-1B1
C7
(ANP7604-B)
100
90
80
70
60
Y
150
160
170
180
190
200
210
220
230
X

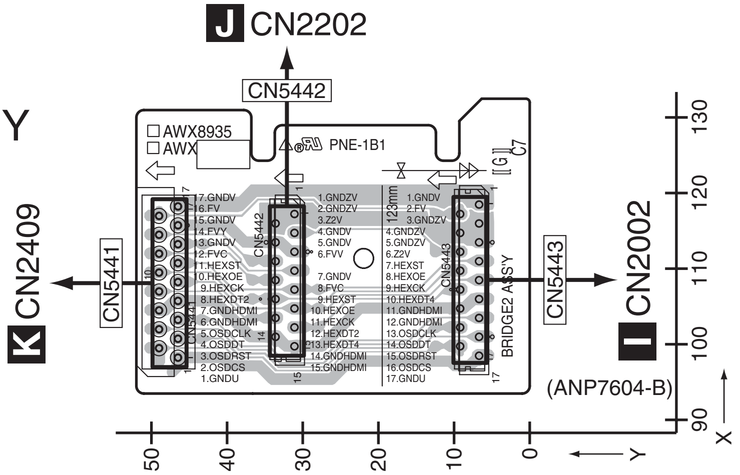
SIDE B **SIDE B**

E BRIDGE1 ASSY


X
150
160
170
180
190
200
210
220
230
Y
60
70
80
90
100
CN5434
CN5432
CN5433
CN5431
LF
AWX8934
BRIDGE1 ASS'Y
PNE-1B1
(ANP7604-B)

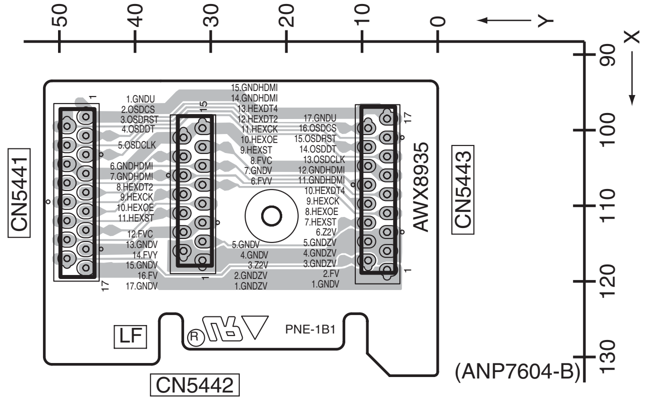
SIDE A **SIDE A**

F BRIDGE2 ASSY


J
CN2202
CN5442
AWX8935
AWX
PNE-1B1
C7
CN5441
CN2409
K
CN5443
CN2002
I
BRIDGE2 ASSY
(ANP7604-B)
130
120
110
100
90
X
50
40
30
20
10
0
Y

SIDE B **SIDE B**

F BRIDGE2 ASSY

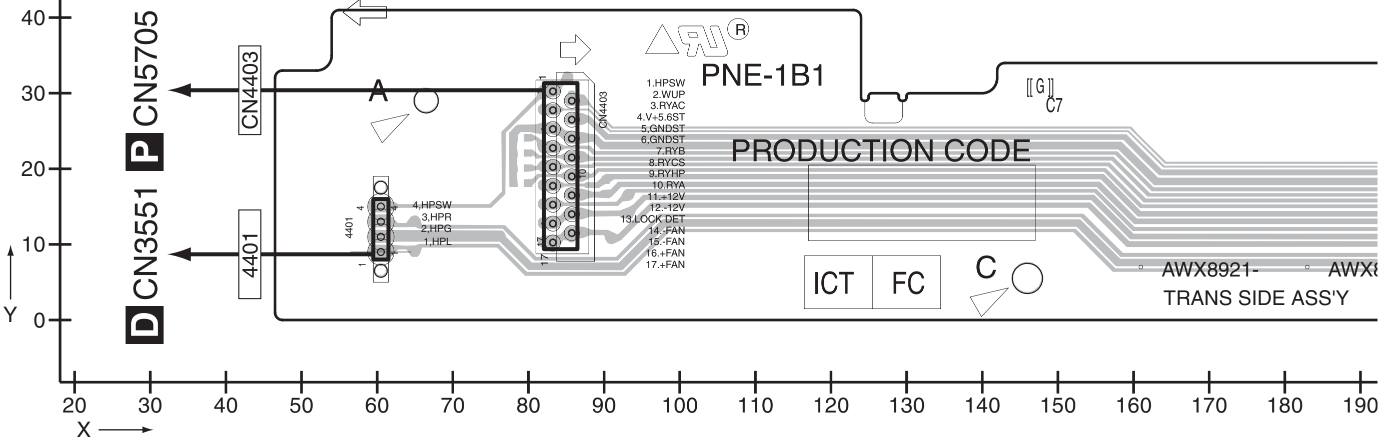

50
40
30
20
10
0
Y
X
90
100
110
120
130
CN5441
CN5443
AWX8935
LF
PNE-1B1
CN5442
(ANP7604-B)

E **F** **E** **F**

11.5 TRANS SIDE and BRIDGE3 ASSYS

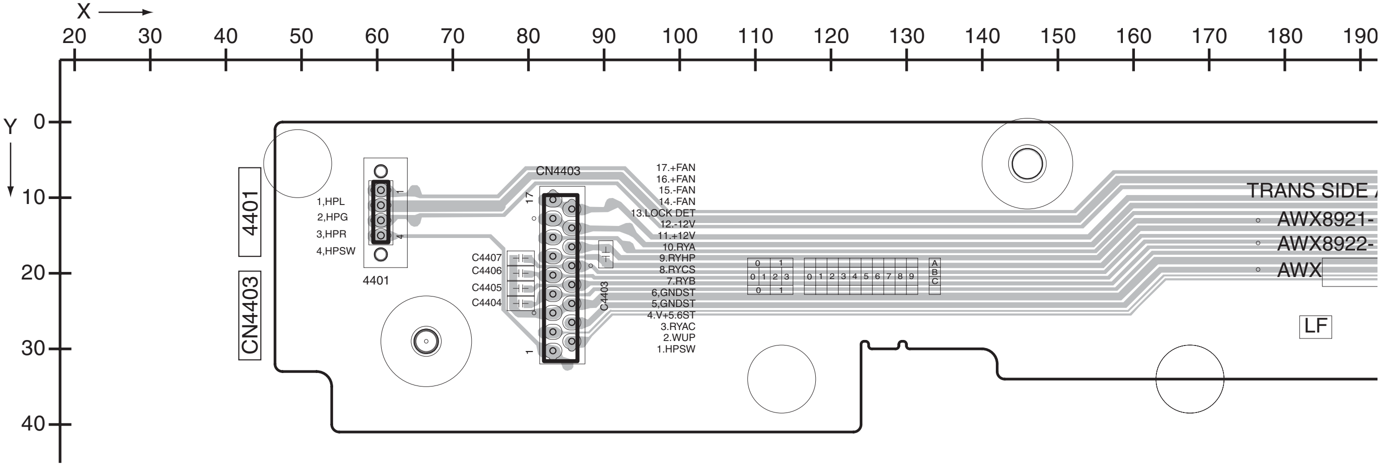
SIDE A

G TRANS SIDE ASSY


PNE-1B1
PRODUCTION CODE
ICT
FC
A
C
[[G]] C7
AWX8921-
AWX8
TRANS SIDE ASS'Y
CN4403
4401
P CN5705
D CN3551
1.HPSW
2.WUP
3.RYAC
4.V+5.6ST
5.GNDST
6.GNDST
7.RYB
8.RYCS
9.RYHP
10.RYA
11.+12V
12.-12V
13.LOCK DET
14.-FAN
15.-FAN
16.+FAN
17.+FAN
4.HPSW
3.HPR
2.HPG
1.HPL
40
30
20
10
0
Y
X
20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190

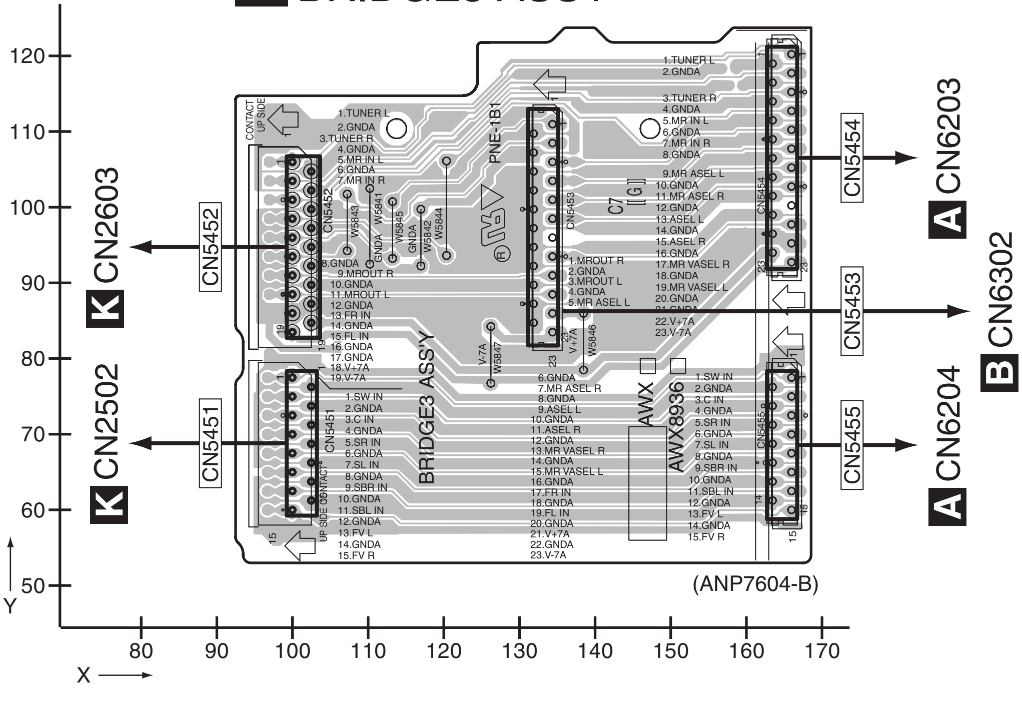
SIDE B

G TRANS SIDE ASSY


X
20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190
Y
0
10
20
30
40
4401
CN4403
1,HPL
2,HPG
3,HPR
4,HPSW
C4407
C4406
C4405
C4404
C4403
17.+FAN
16.+FAN
15.-FAN
14.-FAN
13.LOCK DET
12.-12V
11.+12V
10.RYA
9.RYHP
8.RYCS
7.RYB
6,GNDST
5.GNDST
4.V+5.6ST
3.RYAC
2.WUP
1.HPSW
TRANS SIDE
AWX8921-
AWX8922-
AWX
LF

SIDE A

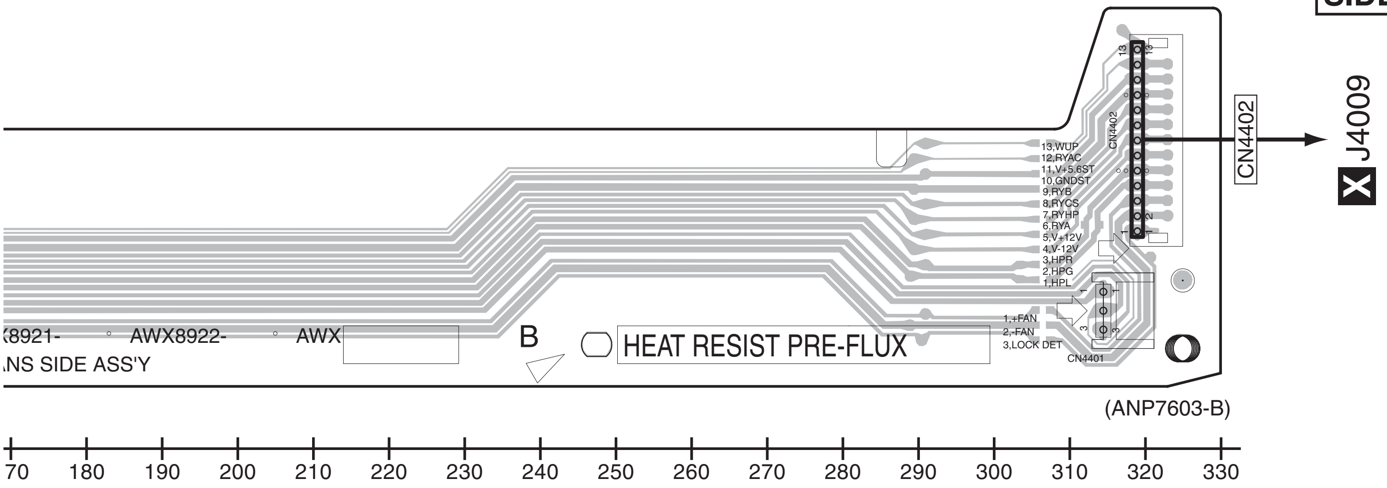
H BRIDGE3 ASSY


120
110
100
90
80
70
60
50
Y
X
80 90 100 110 120 130 140 150 160 170
CN5452
K CN2603
CN5451
K CN2502
CN5454
A CN6203
CN5453
B CN6302
CN5455
A CN6204
PNE-1B1
BRIDGE3 ASS'Y
AWX
AWX8936
C7 [[G]]
CONTACT UP SIDE
W5843
W5841
W5845
W5842
W5844
W5846
W5847
V-7A
V+7A
1.TUNER L
2.GNDA
3.TUNER R
4.GNDA
5.MR IN L
6.GNDA
7.MR IN R
8.GNDA
9.MROUT R
10.GNDA
11.MROUT L
12.GNDA
13.FR IN
14.GNDA
15.FL IN
16.GNDA
17.GNDA
18.V+7A
19.V-7A
1.SW IN
2.GNDA
3.C IN
4.GNDA
5.SR IN
6.GNDA
7.SL IN
8.GNDA
9.SBR IN
10.GNDA
11.SBL IN
12.GNDA
13.FV L
14.GNDA
15.FV R
1.MROUT R
2.GNDA
3.MROUT L
4.GNDA
5.MR ASEL L
6.GNDA
7.MR ASEL R
8.GNDA
9.ASEL L
10.GNDA
11.ASEL R
12.GNDA
13.MR VASEL R
14.GNDA
15.MR VASEL L
16.GNDA
17.FR IN
18.GNDA
19.FL IN
20.GNDA
21.V+7A
22.GNDA
23.V-7A
9.MR ASEL L
10.GNDA
11.MR ASEL R
12.GNDA
13.ASEL L
14.GNDA
15.ASEL R
16.GNDA
17.MR VASEL R
18.GNDA
19.MR VASEL L
20.GNDA
21.GNDA
22.V+7A
23.V-7A

(ANP7604-B)

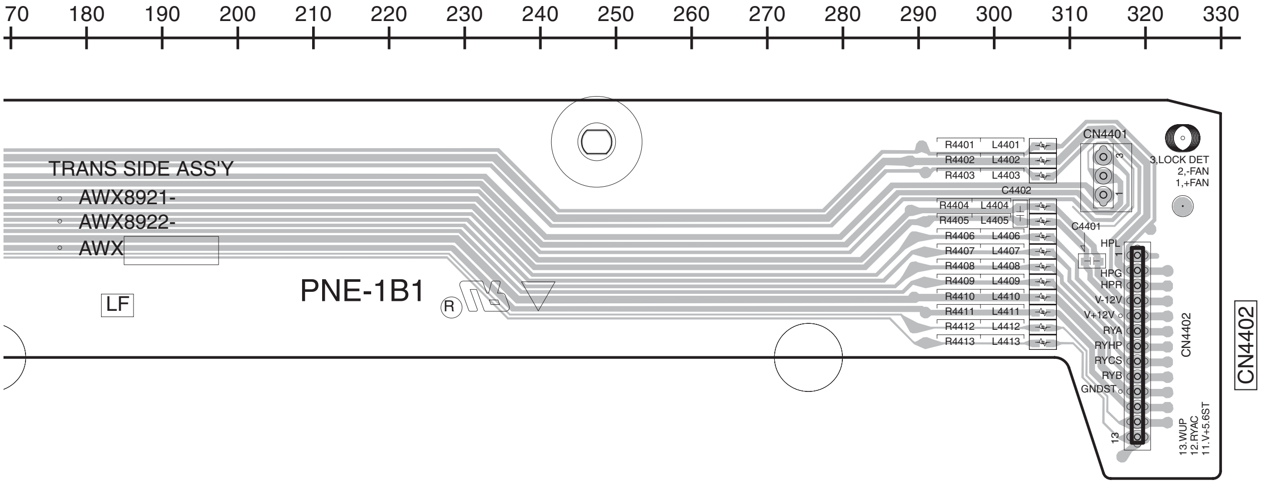
G H

SIDE A


CN4402
X J4009
13.WUP
12.RYAC
11.V+5.6ST
10.GNDST
9.RYB
8.RYCS
7.RYHP
6.RYA
5.V+12V
4.V-12V
3.HPR
2.HPG
1.HPL
1.+FAN
2.-FAN
3.LOCK DET
CN4401
CN4402
X8921-
AWX8922-
AWX
ANS SIDE ASS'Y
B
HEAT RESIST PRE-FLUX
70 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330

(ANP7603-B)

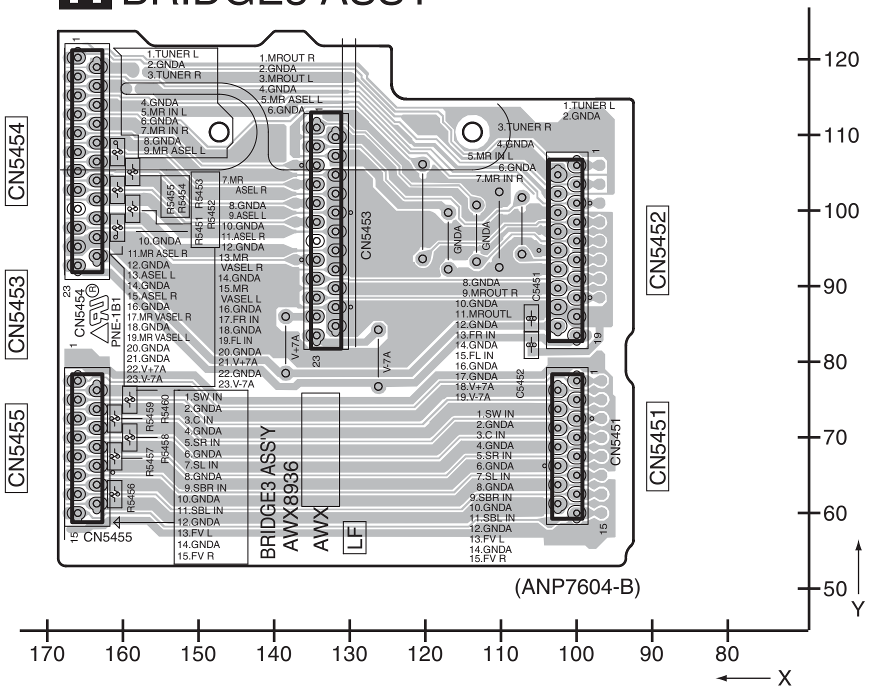
SIDE B


70 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330
TRANS SIDE ASS'Y
AWX8921-
AWX8922-
AWX
LF
PNE-1B1
R4401 L4401
R4402 L4402
R4403 L4403
C4402
R4404 L4404
R4405 L4405
R4406 L4406
R4407 L4407
R4408 L4408
R4409 L4409
R4410 L4410
R4411 L4411
R4412 L4412
R4413 L4413
CN4401
3.LOCK DET
2.-FAN
1.+FAN
C4401
HPL
HPG
HPR
V-12V
V+12V
RYA
RYHP
RYCS
RYB
GNDST
CN4402
13.WUP
12.RYAC
11.V+5.6ST
CN4402

(ANP7603-B)

H BRIDGE3 ASSY

SIDE B


CN5454
CN5453
CN5455
CN5452
CN5451
1.TUNER L
2.GNDA
3.TUNER R
4.GNDA
5.MR IN L
6.GNDA
7.MR IN R
8.GNDA
9.MR ASEL L
1.MROUT R
2.GNDA
3.MROUT L
4.GNDA
5.MR ASEL L
6.GNDA
7.MR ASEL R
8.GNDA
9.ASEL L
10.GNDA
11.ASEL R
12.GNDA
13.MR VASEL R
14.GNDA
15.MR VASEL L
16.GNDA
17.FR IN
18.GNDA
19.FL IN
20.GNDA
21.V+7A
22.GNDA
23.V-7A
10.GNDA
11.MR ASEL R
12.GNDA
13.ASEL L
14.GNDA
15.ASEL R
16.GNDA
17.MR VASEL R
18.GNDA
19.MR VASEL L
20.GNDA
21.GNDA
22.V+7A
23.V-7A
R5455 R5454 R5453 R5451 R5452
CN5453
V+7A
V-7A
1.TUNER L
2.GNDA
3.TUNER R
4.GNDA
5.MR IN L
6.GNDA
7.MR IN R
GNDA
GNDA
8.GNDA
9.MROUT R
10.GNDA
11.MROUTL
12.GNDA
13.FR IN
14.GNDA
15.FL IN
16.GNDA
17.GNDA
18.V+7A
19.V-7A
C5451
C5452
1.SW IN
2.GNDA
3.C IN
4.GNDA
5.SR IN
6.GNDA
7.SL IN
8.GNDA
9.SBR IN
10.GNDA
11.SBL IN
12.GNDA
13.FV L
14.GNDA
15.FV R
R5459 R5460 R5457 R5458 R5456
CN5454
PNE-1B1
CN5455
CN5451
BRIDGE3 ASS'Y
AWX8936
AWX
LF
120 110 100 90 80 70 60 50
Y
170 160 150 140 130 120 110 100 90 80
X

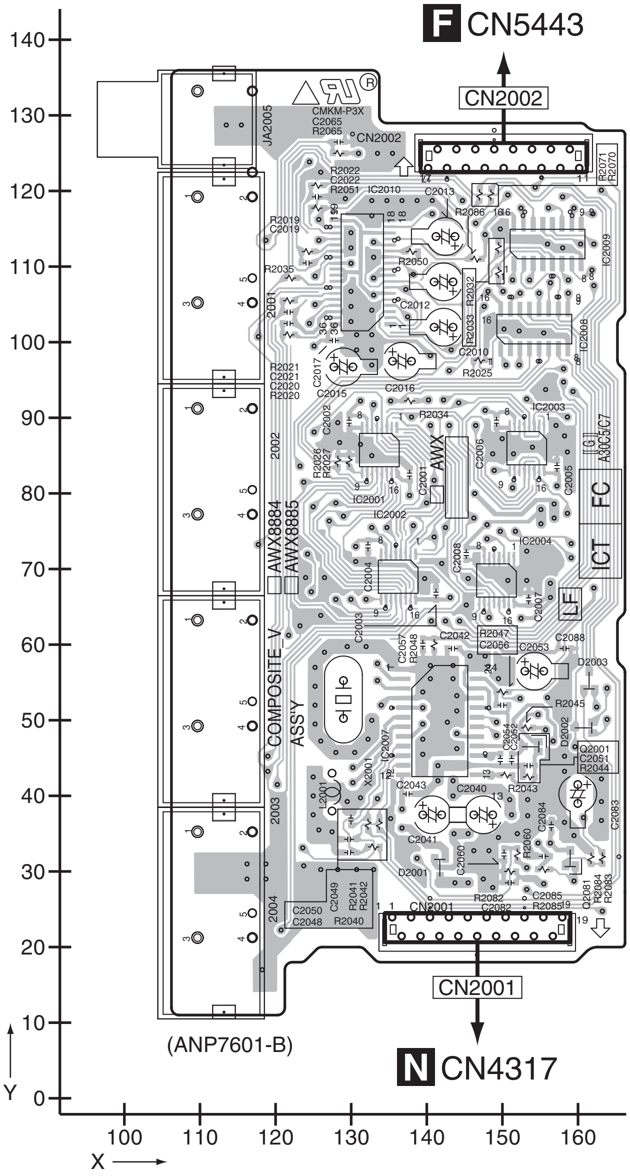
(ANP7604-B)

11.6 COMPOSITE V ASSY

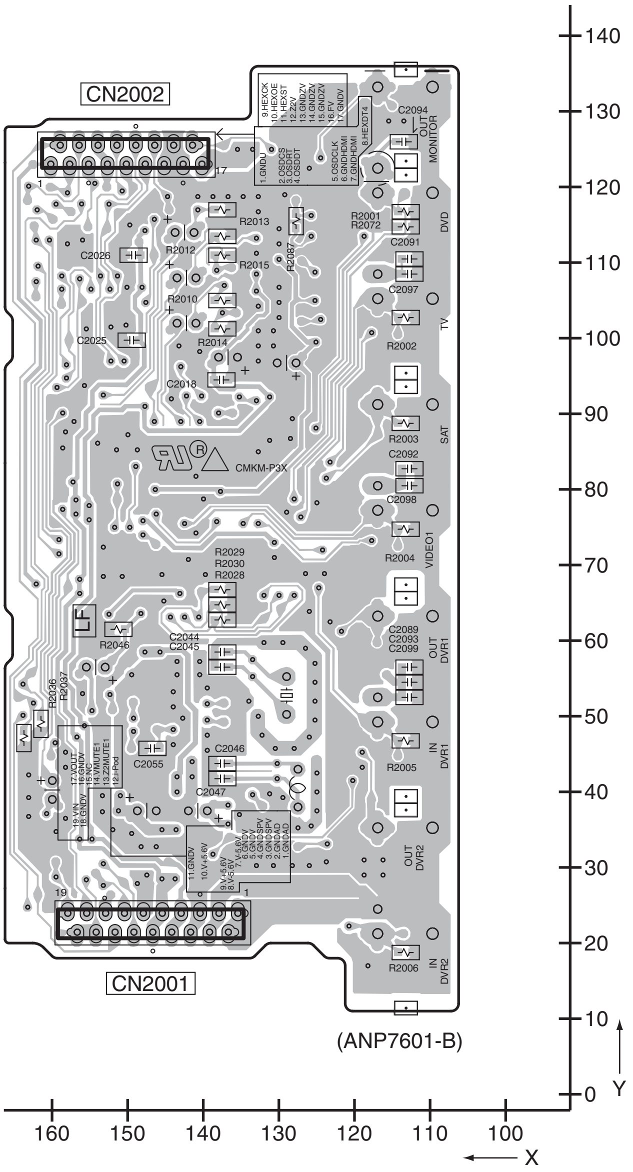
SIDE A

SIDE B

I COMPOSITE V ASSY


F CN5443
CN2002
CN2001
N CN4317
(ANP7601-B)
COMPOSITE V ASSY
AWX8884
AWX8885
JA2005
CMKM-P3X
IC2001
IC2002
IC2003
IC2004
IC2008
IC2009
IC2010
FC
ICT
LF
2001
2002
2003
2004
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
100
110
120
130
140
150
160
X

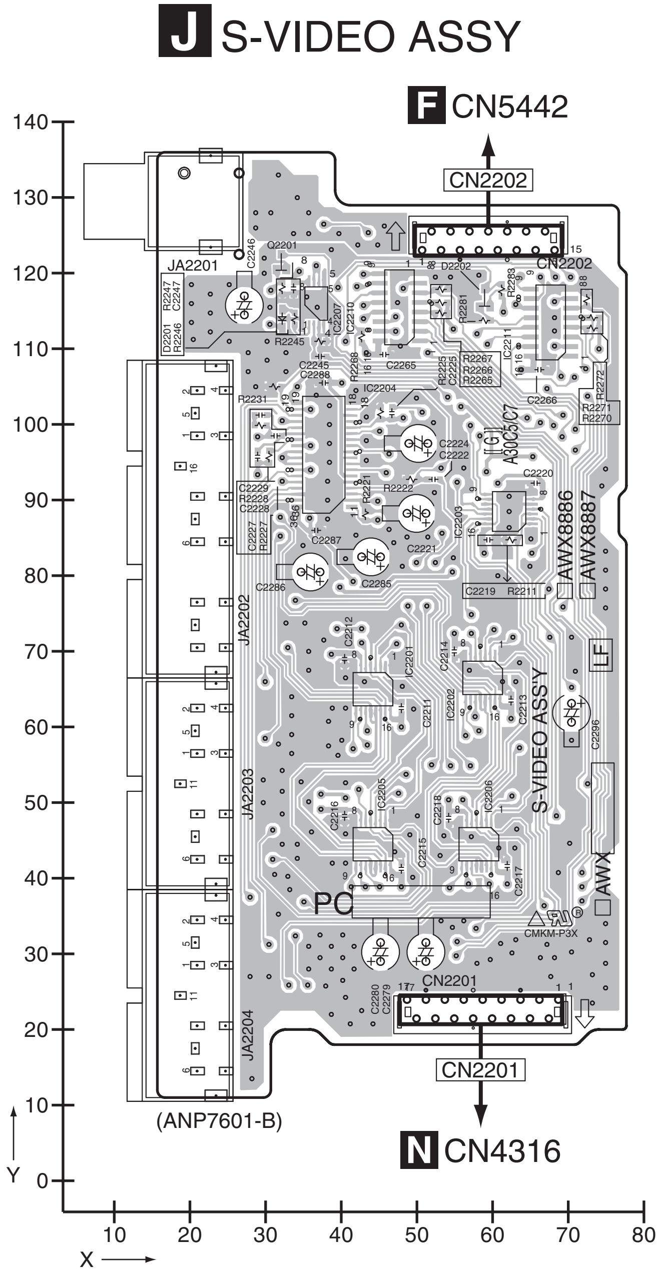
I COMPOSITE V ASSY

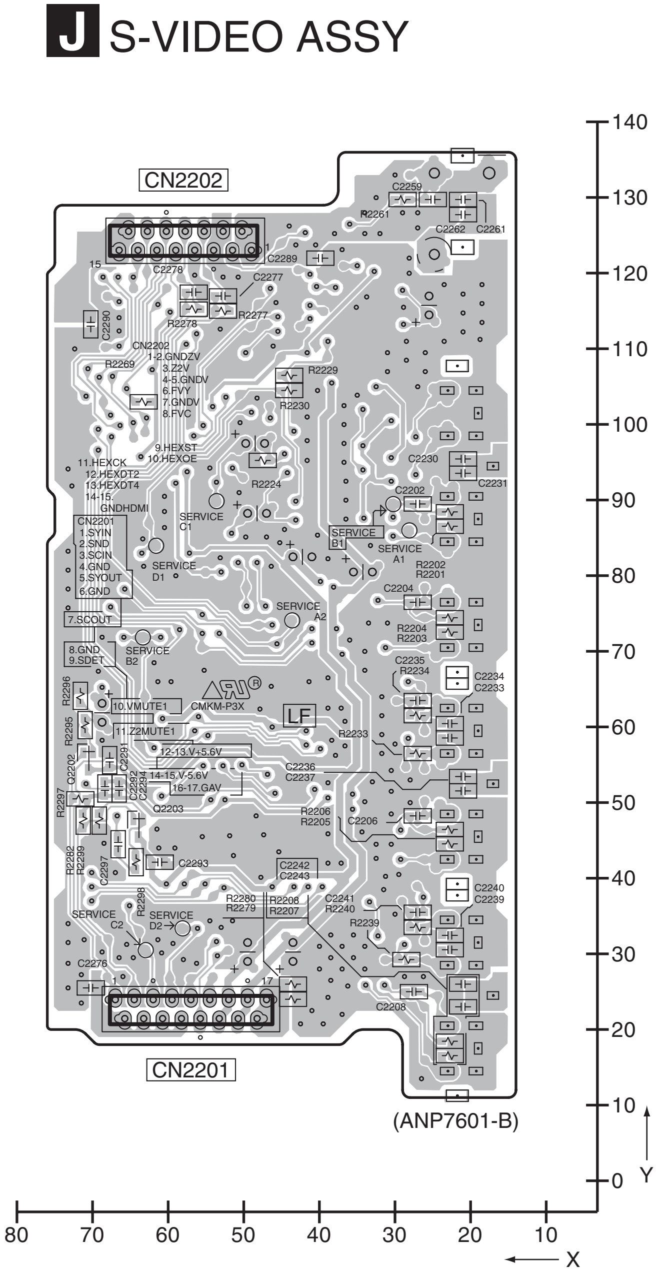

CN2002
CN2001
(ANP7601-B)
CMKM-P3X
LF
OUT MONITOR
DVD
TV
SAT
VIDEO1
OUT DVR1
IN DVR1
OUT DVR2
IN DVR2
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
160
150
140
130
120
110
100
X

11.7 S-VIDEO ASSY

SIDE A

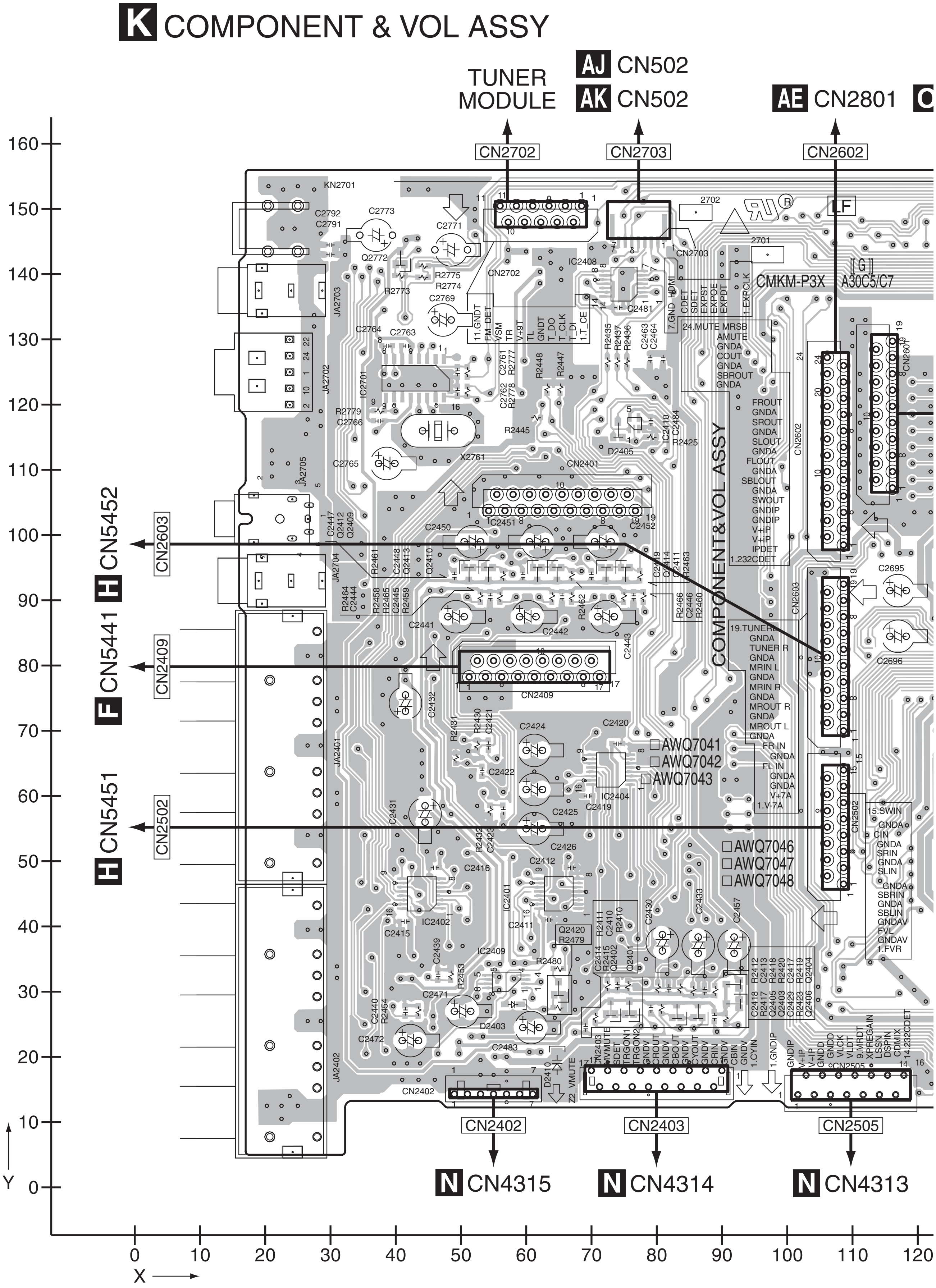
SIDE B


J S-VIDEO ASSY
F CN5442
CN2202
JA2201
JA2202
JA2203
JA2204
IC2204
IC2201
IC2202
IC2205
IC2206
IC2211
Q2201
D2202
AWX8886
AWX8887
S-VIDEO ASSY
LF
AWX
PC
CMKM-P3X
CN2201
N CN4316
(ANP7601-B)
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
10
20
30
40
50
60
70
80
X

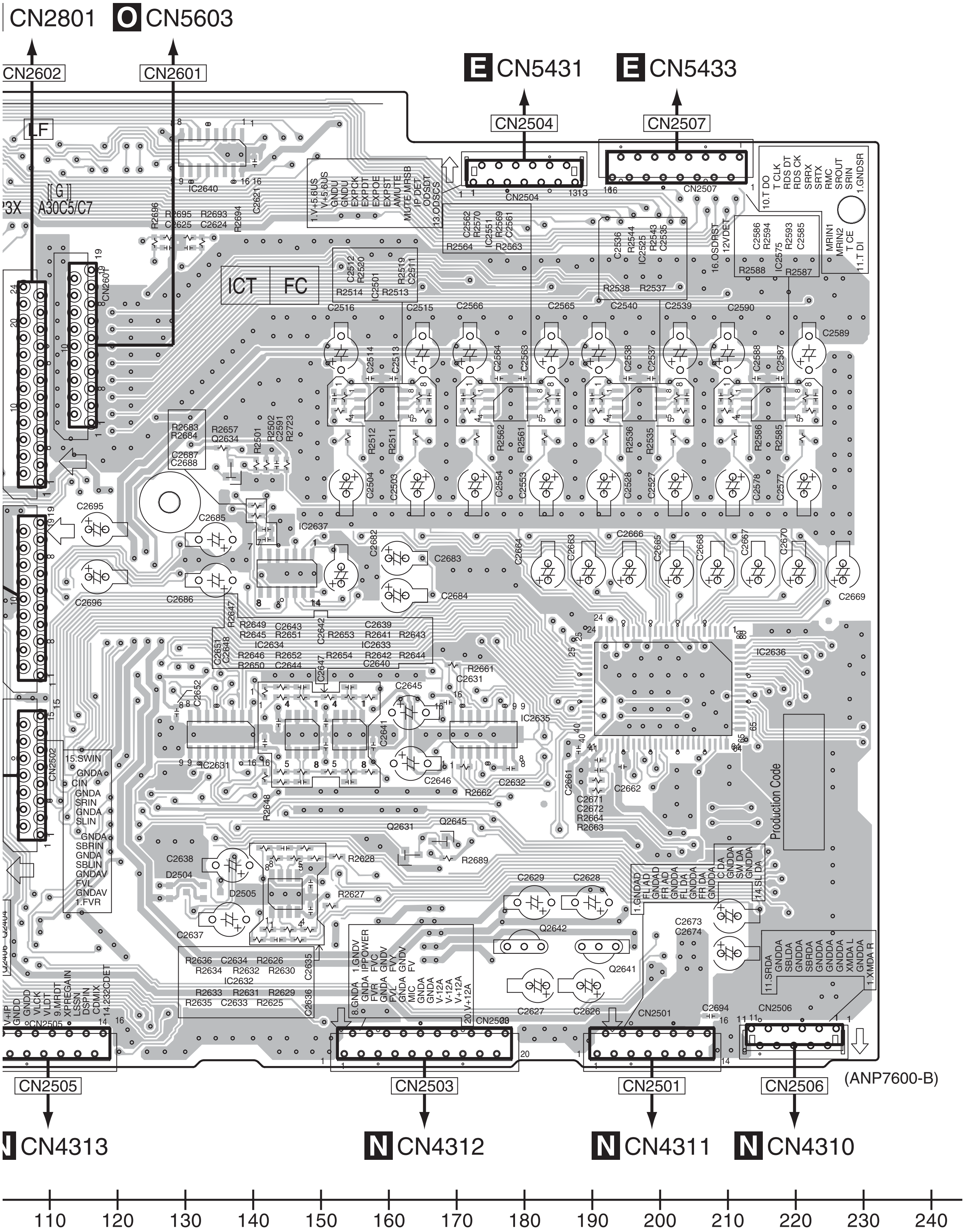

J S-VIDEO ASSY
CN2202
CN2202
1-2.GNDZV
3.Z2V
4-5.GNDV
6.FVY
7.GNDV
8.FVC
9.HEXST
10.HEXOE
11.HEXCK
12.HEXDT2
13.HEXDT4
14-15.GNDHDMI
CN2201
1.SYIN
2.SND
3.SCIN
4.GND
5.SYOUT
6.GND
7.SCOUT
8.GND
9.SDET
10.VMUTE1
11.Z2MUTE1
12-13.V+5.6V
14-15.V-5.6V
16-17.GAV
SERVICE C1
SERVICE D1
SERVICE A2
SERVICE B2
SERVICE B1
SERVICE A1
SERVICE C2
SERVICE D2
Q2203
CMKM-P3X
LF
CN2201
(ANP7601-B)
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
80
70
60
50
40
30
20
10
X

11.8 COMPONENT & VOL ASSY

SIDE A


K COMPONENT & VOL ASSY
TUNER MODULE
AJ CN502
AK CN502
AE CN2801
CN2702
CN2703
CN2602
CN2603
CN2409
CN2502
H CN5452
F CN5441
H CN5451
CN2402
CN2403
CN2505
N CN4315
N CN4314
N CN4313
COMPONENT&VOL ASSY
CMKM-P3X
[[G]] A30C5/C7
LF
☐AWQ7041
☐AWQ7042
☐AWQ7043
☐AWQ7046
☐AWQ7047
☐AWQ7048
11.GNDT FM_DET VSM TR V+9T TL GNDT T_DO T_CLK T_DI 1.T_CE
7.GND_HDMI CDET SDET EXPST EXPOE EXPDT 1.EXPCLK
24.MUTE MRSB AMUTE GNDA COUT GNDA SBROUT GNDA FROUT GNDA SROUT GNDA SLOUT GNDA FLOUT GNDA SBLOUT GNDA SWOUT GNDIP GNDIP V+IP V+IP IPDET 1.232CDET
19.TUNER L GNDA TUNER R GNDA MRIN L GNDA MRIN R GNDA MROUT R GNDA MROUT L GNDA FR IN GNDA FL IN GNDA GNDA V+7A 1.V-7A
15.SWIN GNDA CIN GNDA SRIN GNDA SLIN GNDA SBRIN GNDA SBLIN GNDAV FVL GNDAV 1.FVR
17.CN2403 MVMUTE SDET TRGON1 TRGON2 GNDV CROUT GNDV CBOUT GNDV CYOUT GNDV CRIN GNDV CBIN GNDV 1.CYIN
1.GNDIP GNDIP V+IP V+IP GNDD GNDD VLCK VLDT 9.MRDT XPREGAIN LSSN DSPIN CDMIX 14.232CDET
JA2701 JA2702 JA2703 JA2704 JA2705 JA2401 JA2402
IC2401 IC2402 IC2404 IC2408 IC2409 IC2701
X2761 KN2701 D2403 D2405 D2410
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0
Y
0 10 20 30 40 50 60 70 80 90 100 110 120
X

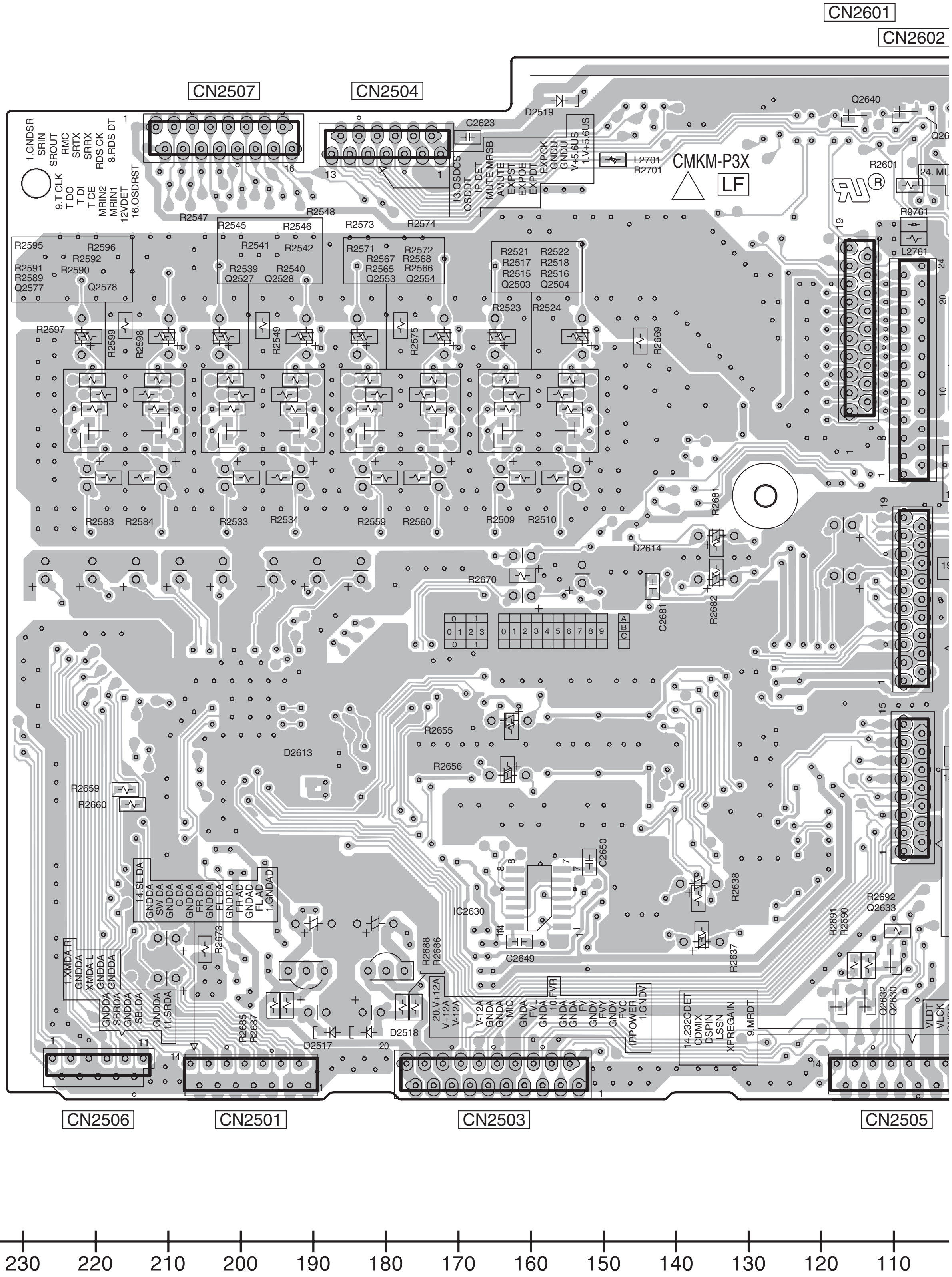
SIDE A


CN2801
O CN5603
CN2602
CN2601
E CN5431
E CN5433
CN2504
CN2507
LF
[G]
A30C5/C7
ICT
FC
IC2640
IC2636
IC2635
IC2631
IC2637
IC2634
IC2633
IC2632
CN2502
15.SWIN
GNDA
CIN
GNDA
SRIN
GNDA
SLIN
GNDA
SBRIN
GNDA
SBLIN
GNDAV
FVL
GNDAV
1.FVR
Production Code
CN2505
CN2503
CN2501
CN2506
(ANP7600-B)
N CN4313
N CN4312
N CN4311
N CN4310
110
120
130
140
150
160
170
180
190
200
210
220
230
240

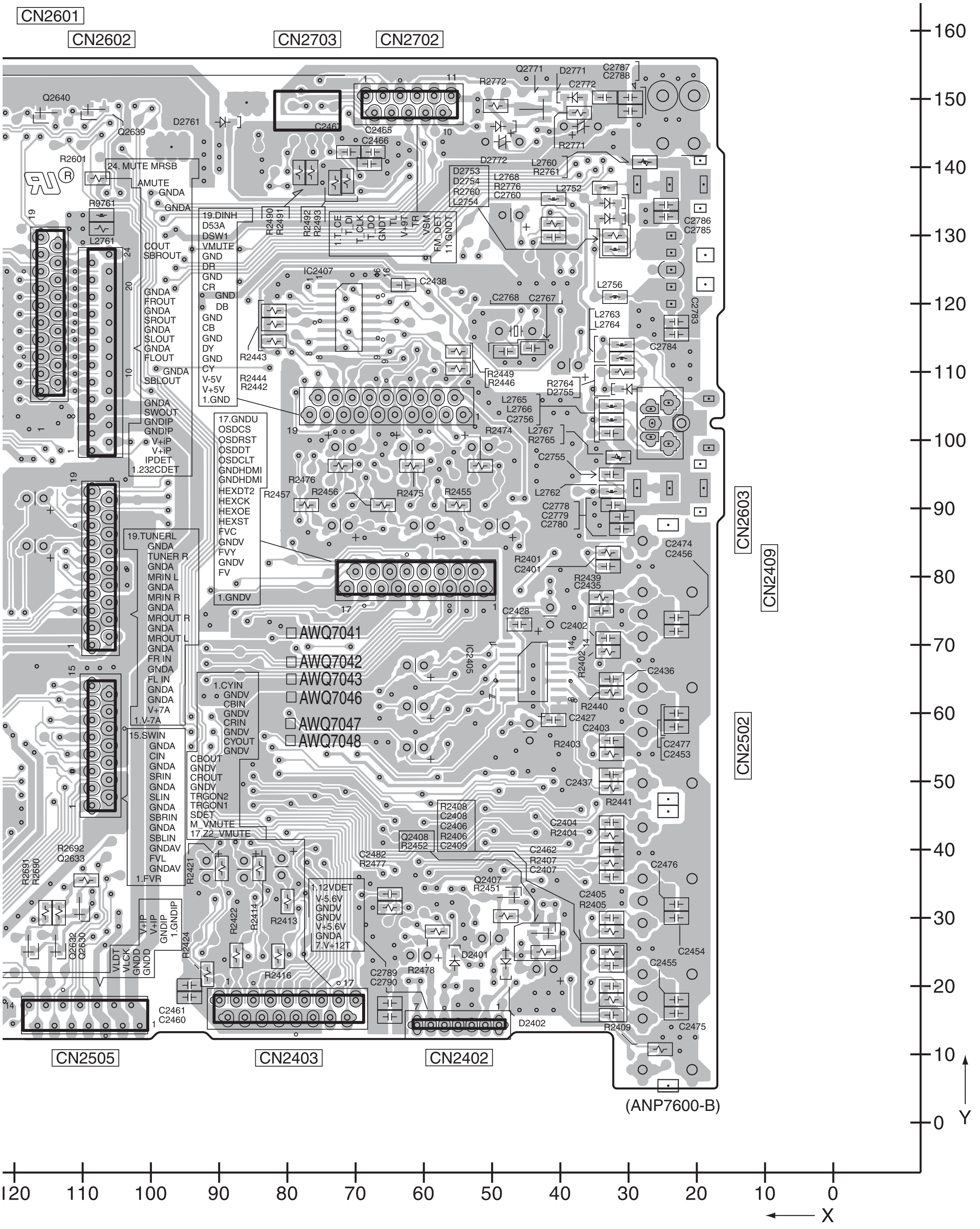
K

SIDE B

K COMPONENT & VOL ASSY

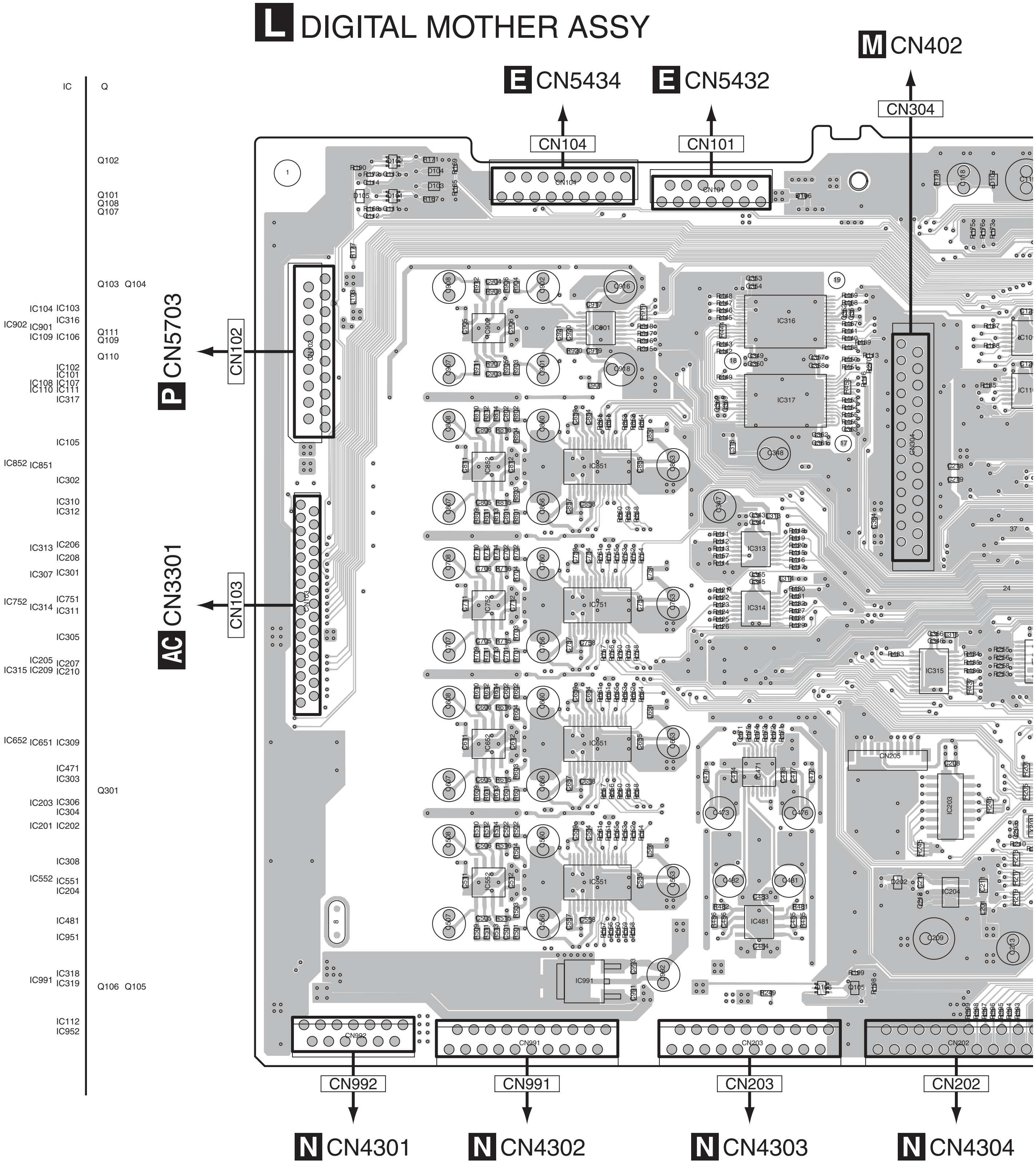

CN2601
CN2602
CN2507
CN2504
1.GNDSR
SRIN
SROUT
RMC
SRTX
SRRX
RDS CK
8.RDS DT
9.T CLK
T DO
T DI
T CE
MRIN2
MRIN1
12VDET
16.OSDRST
13.OSDCS
OSDDT
IP DET
MUTE MRSB
AMUTE
EXPST
EXPOE
EXPDT
EXPCK
GNDU
GNDU
V+5.6US
1.V+5.6US
C2623
D2519
L2701
R2701
CMKM-P3X
LF
Q2640
R2601
24. MU
R9761
L2761
R2547
R2548
R2545
R2546
R2541
R2542
R2539
R2540
Q2527
Q2528
R2573
R2574
R2571
R2572
R2567
R2568
R2565
R2566
Q2553
Q2554
R2521
R2522
R2517
R2518
R2515
R2516
Q2503
Q2504
R2523
R2524
R2595
R2596
R2592
R2591
R2590
R2589
Q2577
Q2578
R2597
R2599
R2598
R2549
R2575
R2669
R2583
R2584
R2533
R2534
R2559
R2560
R2509
R2510
R2681
D2614
R2670
R2682
C2681
R2655
R2656
D2613
R2659
R2660
14.SL DA
GNDDA
SW DA
GNDDA
C DA
GNDDA
FR DA
GNDDA
FL DA
GNDDA
FR AD
GNDAD
FL AD
1.GNDAD
R2673
1.XMDA R
GNDDA
XMDA L
GNDDA
GNDDA
GNDDA
SBRDA
GNDDA
SBLDA
GNDDA
11.SRDA
R2685
R2687
D2517
R2688
R2686
D2518
20.V+12A
V+12A
V-12A
V-12A
GNDA
GNDA
MIC
GNDA
FVL
GNDA
10.FVR
GNDA
GNDA
FV
GNDV
FVY
GNDV
FVC
IPPOWER
1.GNDV
C2650
IC2630
C2649
R2638
R2637
14.232CDET
CDMIX
DSPIN
LSSN
XPREGAIN
9.MRDT
R2692
Q2633
R2691
R2690
Q2632
Q2630
VLDT
VLCK
CN2506
CN2501
CN2503
CN2505
240
230
220
210
200
190
180
170
160
150
140
130
120
110

SIDE B

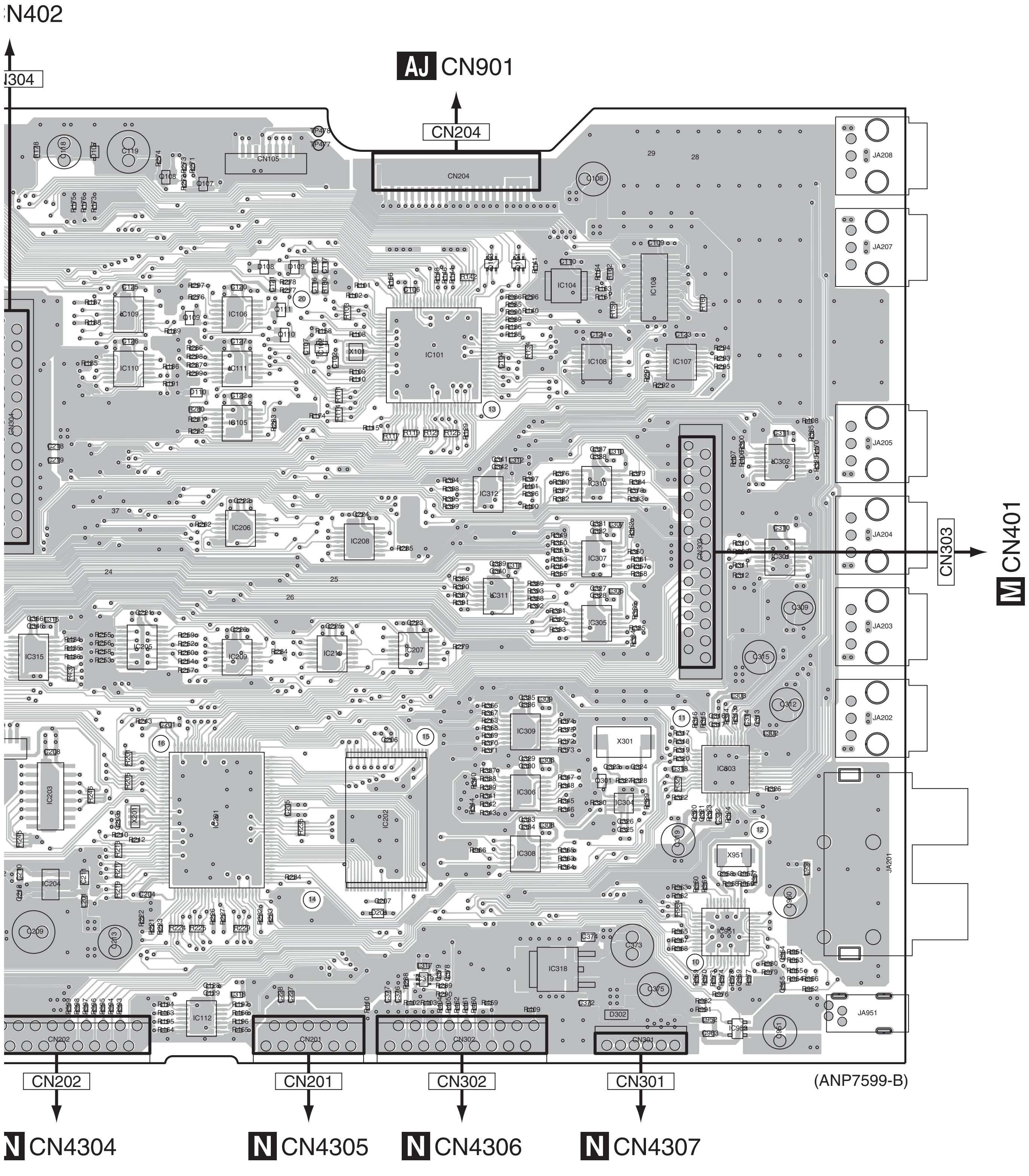

CN2601
CN2602
CN2703
CN2702
CN2603
CN2409
CN2502
CN2505
CN2403
CN2402
IC2407
IC2405
☐AWQ7041
☐AWQ7042
☐AWQ7043
☐AWQ7046
☐AWQ7047
☐AWQ7048
(ANP7600-B)
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
120
110
100
90
80
70
60
50
40
30
20
10
0
X

11.9 DIGITAL MOTHER ASSY

SIDE A


L DIGITAL MOTHER ASSY
M CN402
E CN5434
E CN5432
CN104
CN101
CN304
P CN5703
CN102
AC CN3301
CN103
CN992
CN991
CN203
CN202
N CN4301
N CN4302
N CN4303
N CN4304
IC
Q
Q102
Q101
Q108
Q107
Q103 Q104
IC104 IC103
IC316
IC902 IC901
IC109 IC106
Q111
Q109
Q110
IC102
IC101
IC108 IC107
IC110 IC111
IC317
IC105
IC852 IC851
IC302
IC310
IC312
IC313 IC206
IC208
IC307 IC301
IC752 IC751
IC314 IC311
IC305
IC205 IC207
IC315 IC209 IC210
IC652 IC651 IC309
IC471
IC303
Q301
IC203 IC306
IC304
IC201 IC202
IC308
IC552 IC551
IC204
IC481
IC951
IC991 IC318
IC319
Q106 Q105
IC112
IC952
IC316
IC317
IC901
IC851
IC751
IC651
IC551
IC313
IC314
IC315
IC471
IC481
IC203
IC204
IC991
CN205

SIDE A


N402
N304
AJ CN901
CN204
CN105
CN204
JA208
JA207
JA205
JA204
JA203
JA202
JA201
JA951
CN303
M CN401
IC101
IC104
IC106
IC107
IC108
IC109
IC110
IC111
IC105
IC112
X101
IC302
IC312
IC310
IC307
IC311
IC305
IC301
IC206
IC208
IC315
IC205
IC209
IC210
IC207
IC203
IC204
IC201
IC202
X201
IC309
IC306
IC308
X301
IC304
IC303
X951
IC951
IC318
IC952
C373
C375
C309
C315
C312
C209
C213
D302
CN202
CN201
CN302
CN301
CN202
CN201
CN302
CN301
(ANP7599-B)
N CN4304
N CN4305
N CN4306
N CN4307

L

SIDE B

A

L DIGITAL MOTHER ASSY

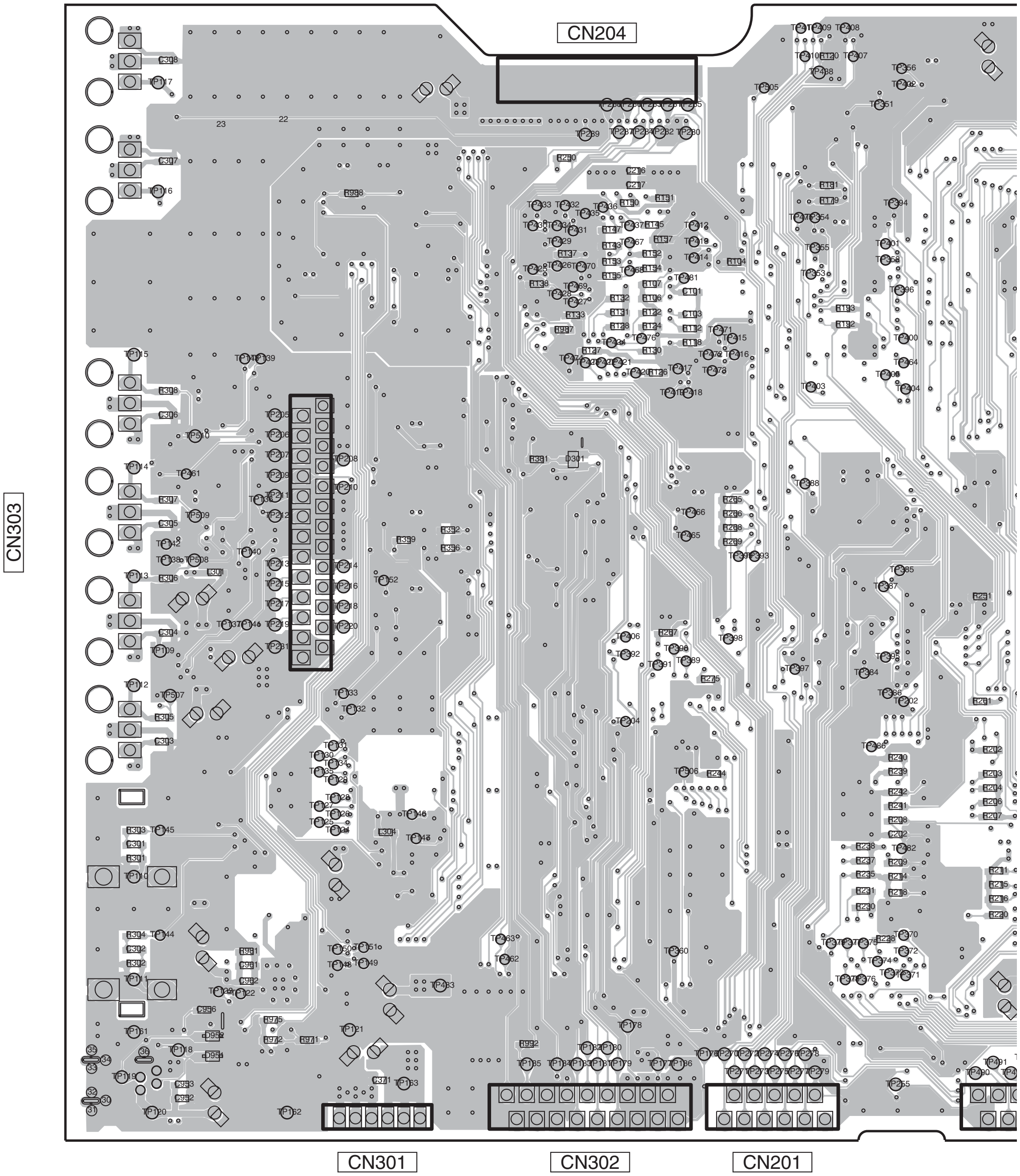
IC	Q
	Q201 Q202

B

C

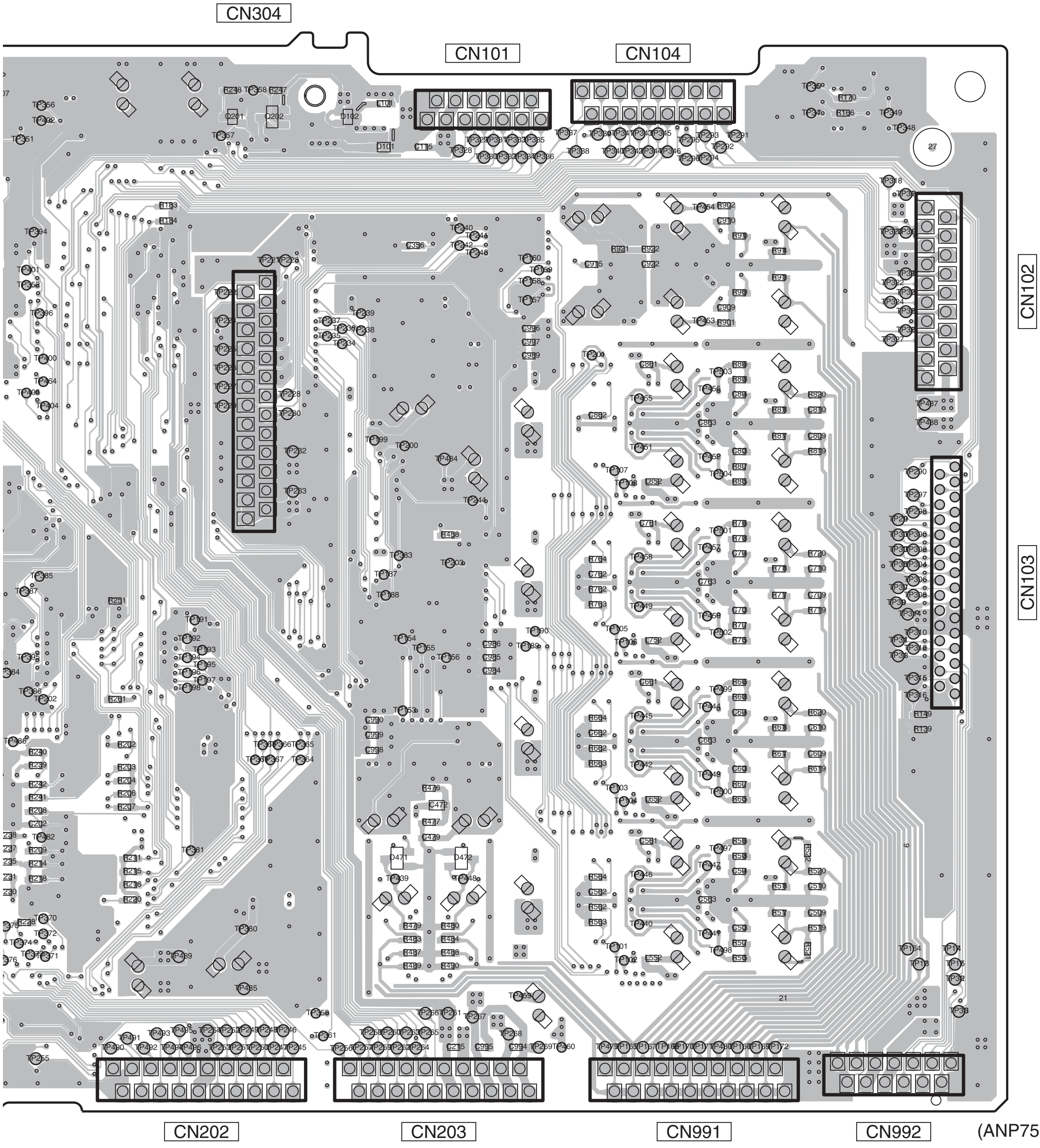
D

E


CN204
CN303
CN301
CN302
CN201

F

SIDE B


CN304
CN101
CN104
CN102
CN103
CN202
CN203
CN991
CN992

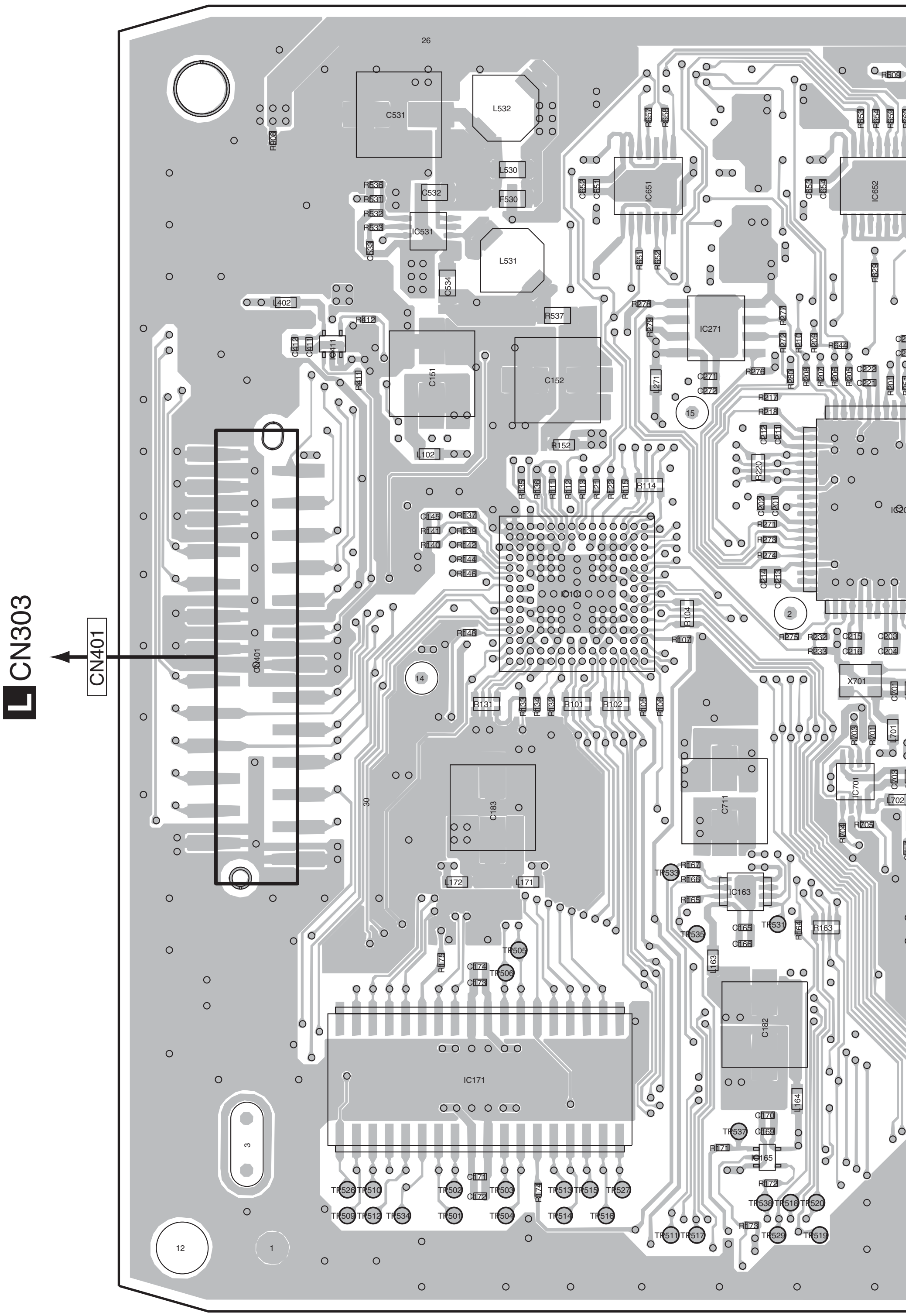
(ANP7599-B)

11.10 DSP ASSY

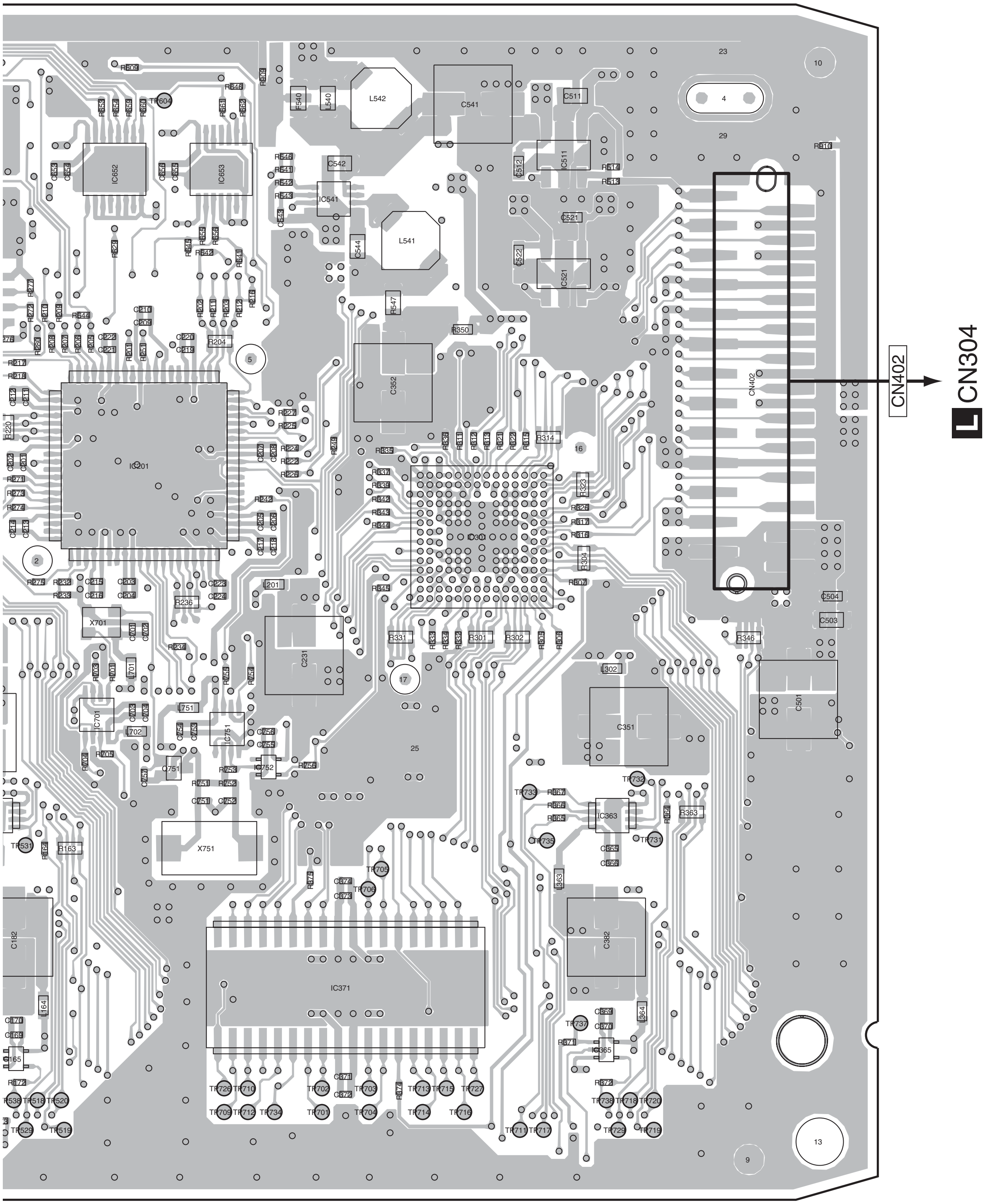
SIDE A

IC	Q
IC511	
IC651 IC652 IC653	
IC541	
IC531	
IC521	
IC271	
IC411	
IC201	
IC301 IC101	
IC701	
IC751	
IC752	Q751
IC163 IC363	
IC171 IC371	
IC365 IC165	

M DSP ASSY


L CN303
CN401
CN401
C531
L532
L530
F530
C532
IC531
L531
C534
L402
IC411
R537
C151
C152
IC651
IC652
IC271
R152
L102
R114
IC101
R104
R131
R101
R102
X701
IC701
L701
L702
C183
C711
L172
L171
IC163
R163
C182
IC171
IC165
TP505
TP506
TP526
TP510
TP502
TP503
TP513
TP515
TP527
TP509
TP512
TP534
TP501
TP504
TP514
TP516
TP511
TP517
TP533
TP535
TP531
TP537
TP536
TP518
TP520
TP529
TP519
26
30
14
15
2
3
12
1

SIDE A


CN402
L CN304
IC201
IC301
IC371
IC652
IC653
IC541
IC511
IC521
IC363
IC365
IC701
IC751
IC752
L541
L542
C541
C351
C352
C231
C382
C501
C182
X701
X751
R350
R314
R346
R363
R163
TR531
TR604
TR705
TR706
TR731
TR732
TR733
TR735
TR737
13
16
17
25
23
29
2
4
5
9
10

(ANP7611-B)

SIDE B

A

M DSP ASSY

IC Q

IC603 IC601
IC602
IC581

B

IC571

IC623 IC621
IC622

C

IC401

Q201

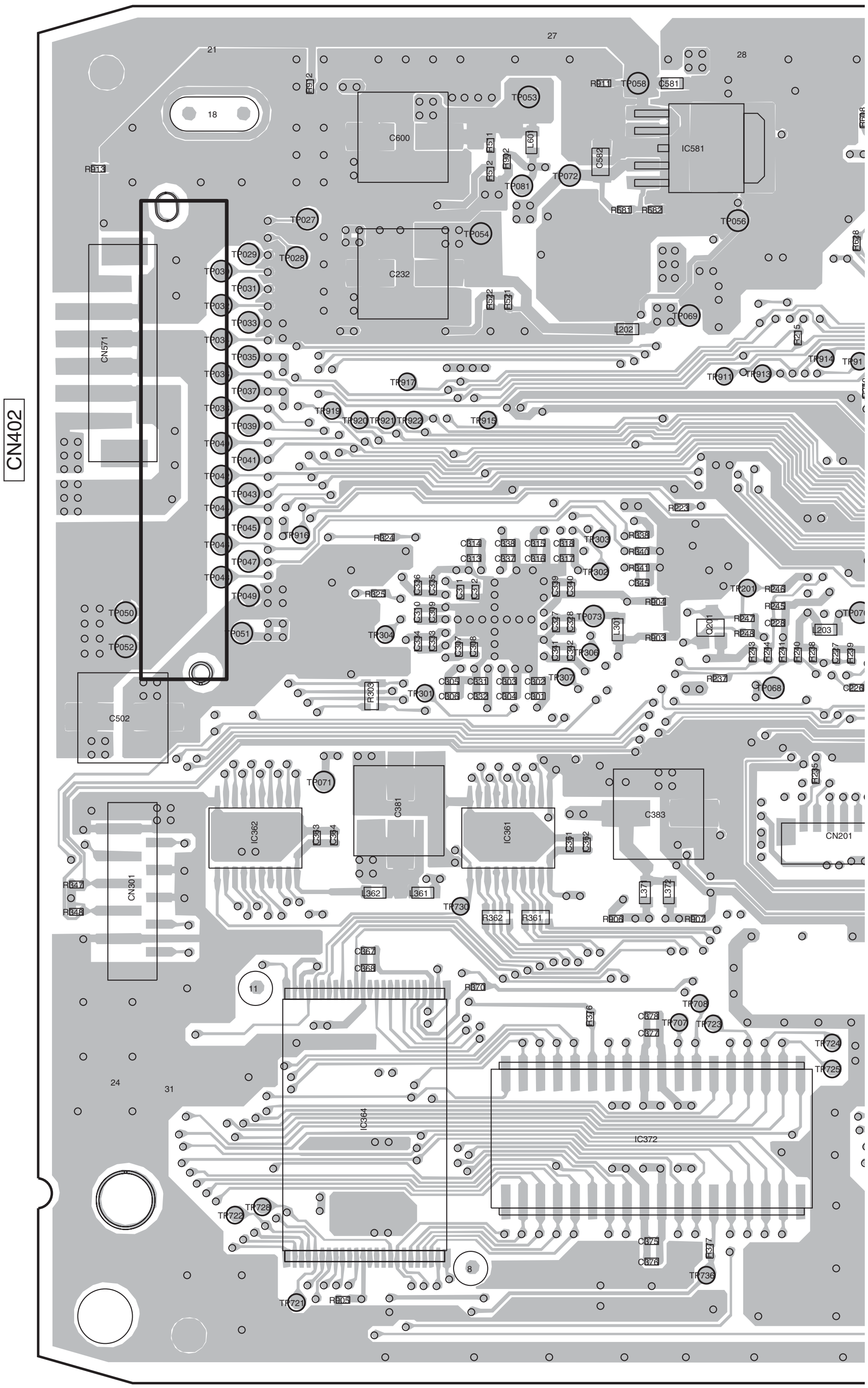
D

IC362 IC361 IC162
IC161

E

IC364 IC164
IC372 IC172

F


CN402
21
27
28
18
R912
C600
R511
R512
R592
L601
TP053
R911
TP058
C581
IC581
C582
TP072
TP081
R813
R581
R582
TP056
TP027
TP028
TP029
TP031
TP033
TP035
TP037
TP039
TP041
TP043
TP045
TP047
TP049
TP051
TP054
C232
R522
R521
L202
TP069
CN571
TP914
TP911
TP913
TP917
TP919
TP920
TP921
TP922
TP915
TP916
R324
R325
R223
TP303
TP302
TP304
TP301
TP305
TP306
TP307
TP073
L301
Q201
TP201
TP068
L203
C226
R237
TP050
TP052
C502
R303
TP071
C381
IC362
IC361
C383
CN201
CN301
R847
R848
L362
L361
TP730
R362
R361
R306
R307
C367
C368
R870
11
R376
C378
C377
TP708
TP707
TP723
TP724
TP725
24
31
IC364
IC372
TP722
TP726
C375
C376
R377
TP736
8
TP721
R305

M

SIDE B

A

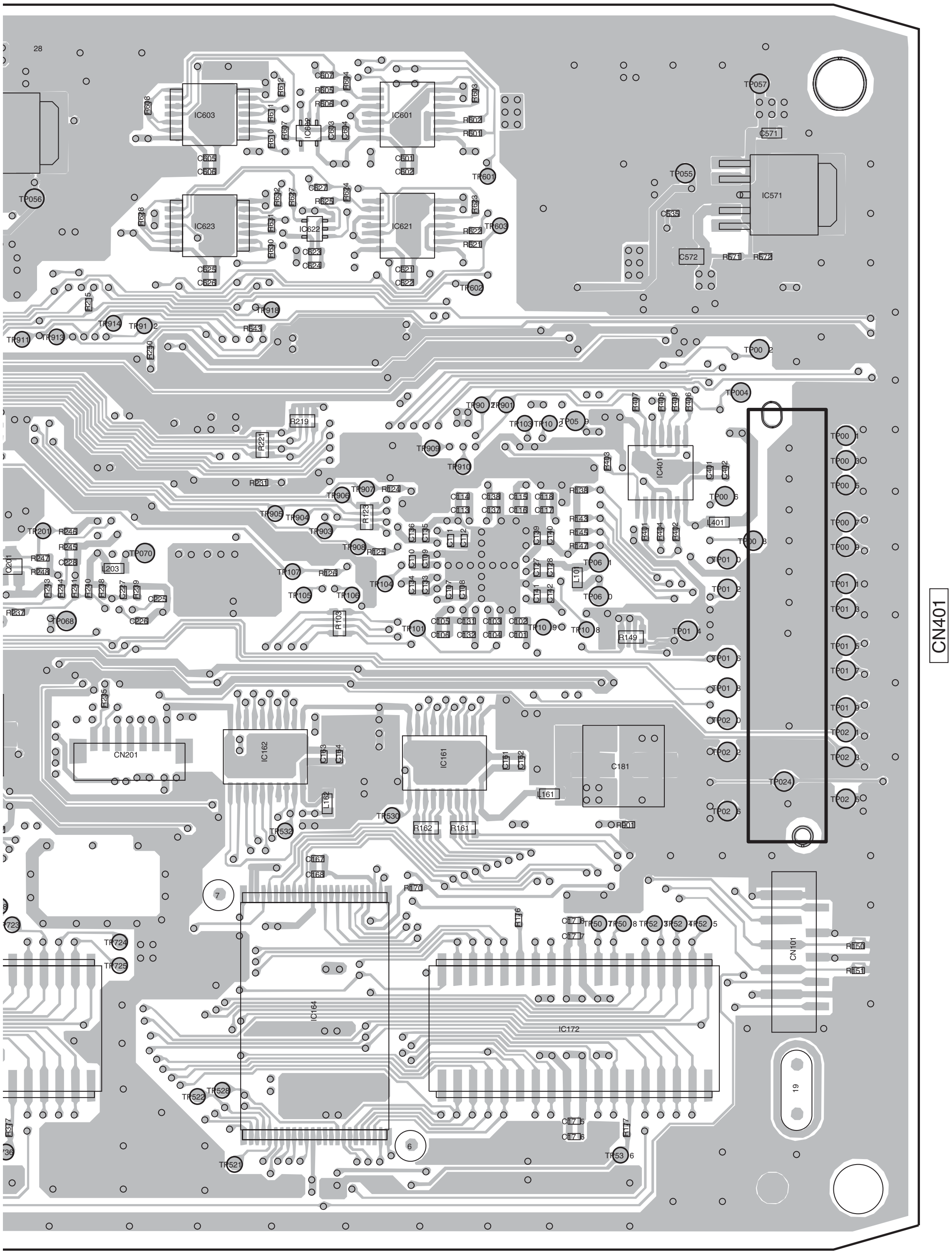
B

C

D

E

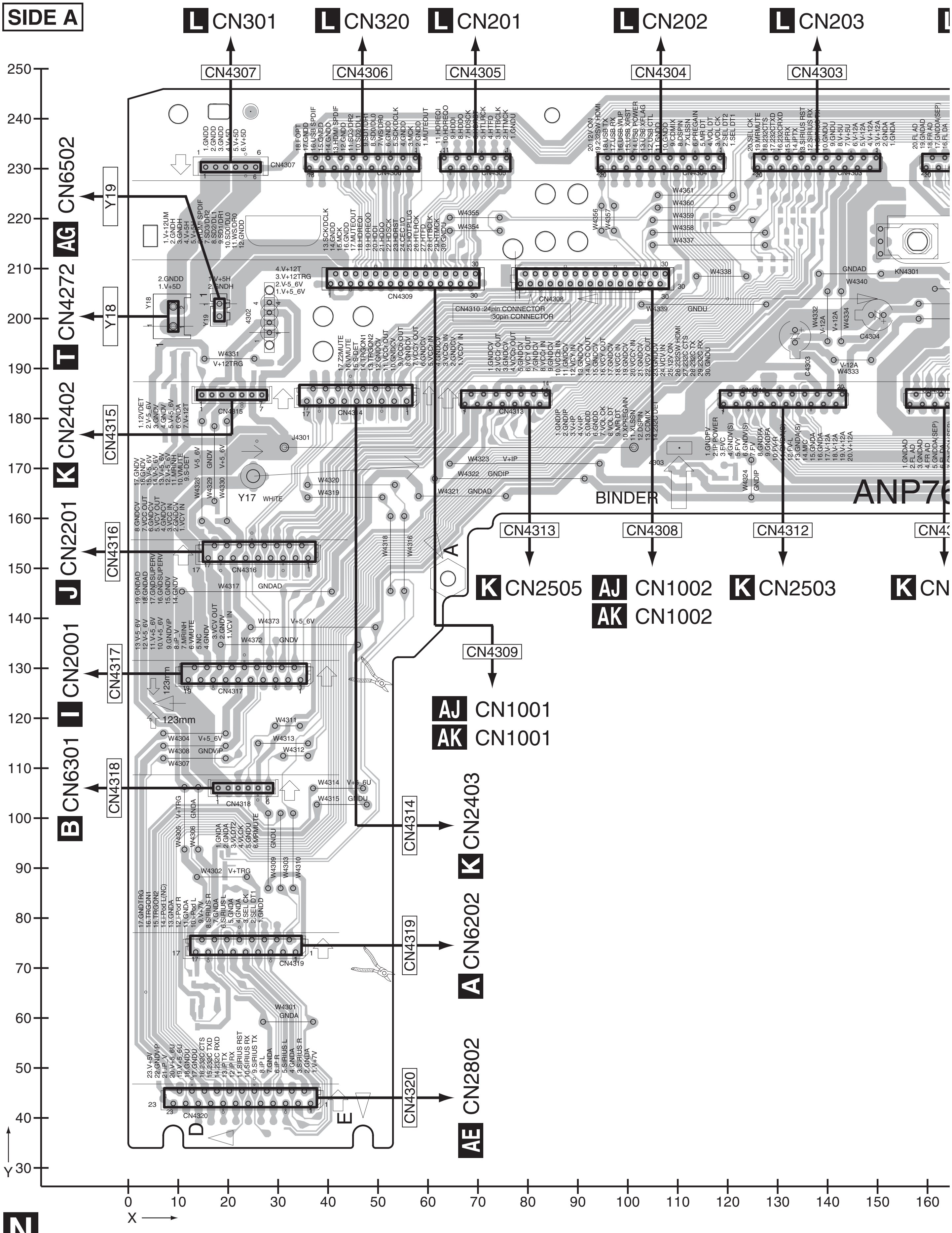
F

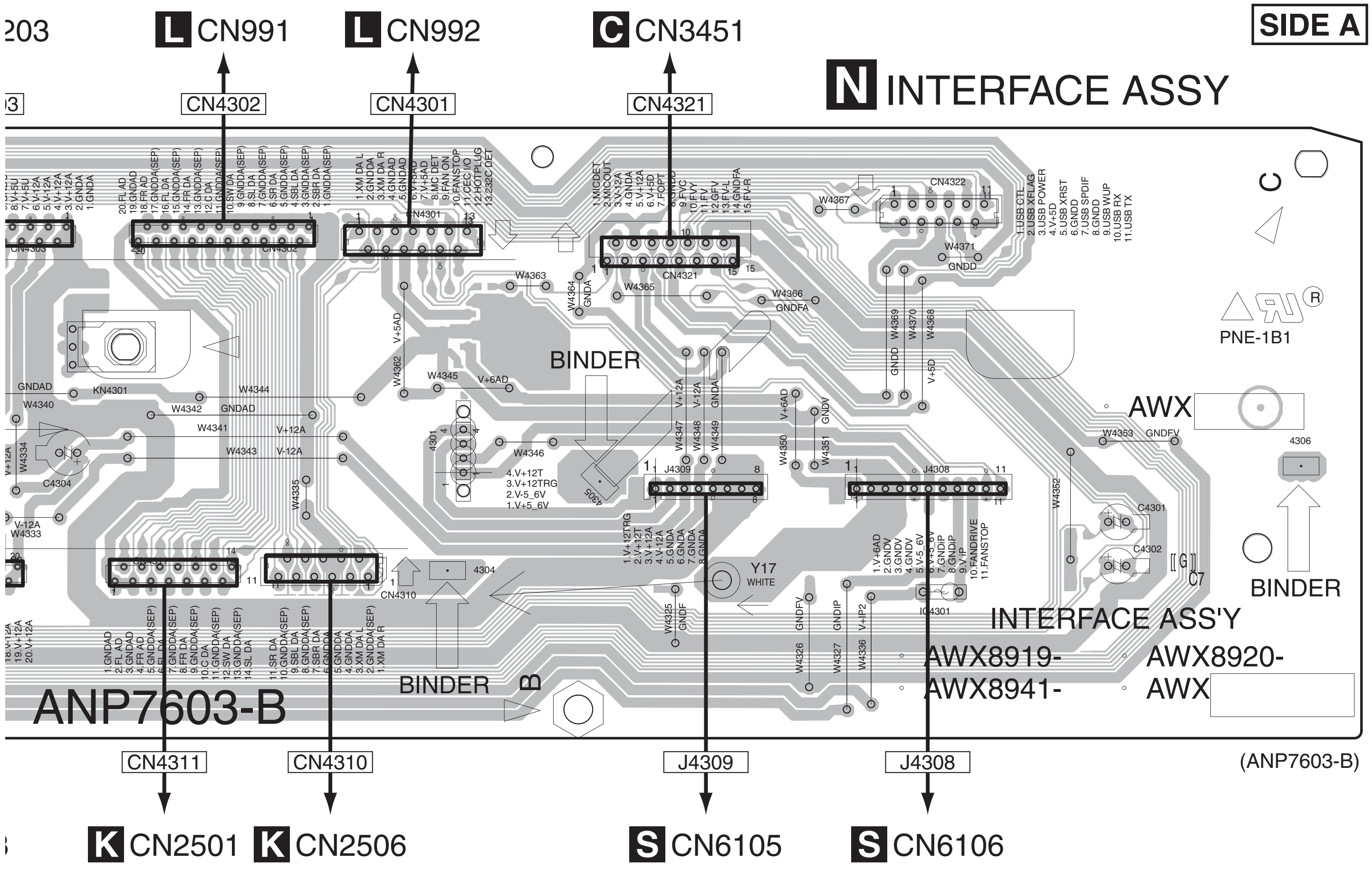

28
IC603
IC601
IC602
IC623
IC621
IC622
TP056
TP601
TP603
TP602
TP057
TP055
C571
IC571
C572
TP004
IC401
L401
CN401
R219
R221
R149
R103
R123
TP909
TP910
TP070
TP068
L203
CN201
IC162
IC161
L161
L162
C181
TP024
R162
R161
TP530
TP532
IC164
IC172
CN101
TP724
TP725
TP528
TP521
TP522
7
6
19

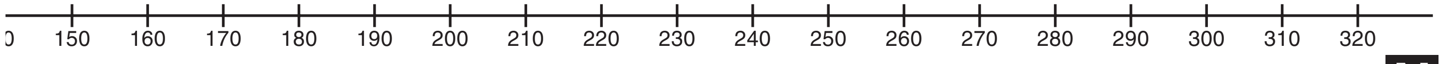
(ANP7611-B)

11.11 INTERFACE ASSY

SIDE A

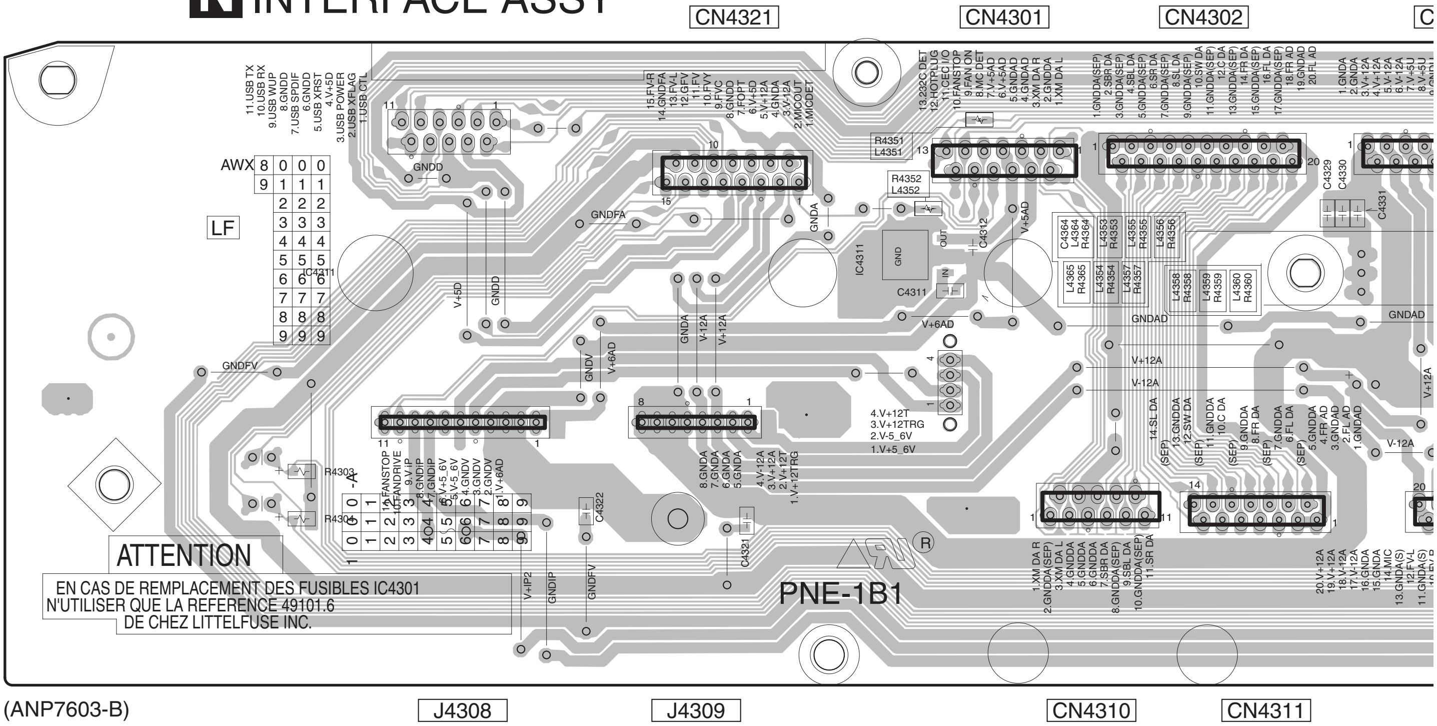

L CN301
L CN320
L CN201
L CN202
L CN203
CN4307
CN4306
CN4305
CN4304
CN4303
AG CN6502
Y19
T CN4272
Y18
K CN2402
CN4315
J CN2201
CN4316
I CN2001
CN4317
B CN6301
CN4318
CN4314
K CN2403
CN4319
A CN6202
CN4320
AE CN2802
CN4309
CN4308
CN4313
CN4312
K CN2505
AJ CN1002
AK CN1002
K CN2503
AJ CN1001
AK CN1001
CN4309
CN4310 :24pin CONNECTOR
:30pin CONNECTOR
BINDER
ANP76
Y17 WHITE
J4301
123mm
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
Y
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
160
X
A
B
C
D
E
F


SIDE A
N INTERFACE ASSY
L CN991
L CN992
C CN3451
CN4302
CN4301
CN4321
CN4322
BINDER
AWX
PNE-1B1
W4353
4306
C4301
C4302
Y17
WHITE
IC4301
INTERFACE ASS'Y
AWX8919-
AWX8941-
AWX8920-
AWX
ANP7603-B
CN4311
CN4310
J4309
J4308
(ANP7603-B)
K CN2501
K CN2506
S CN6105
S CN6106

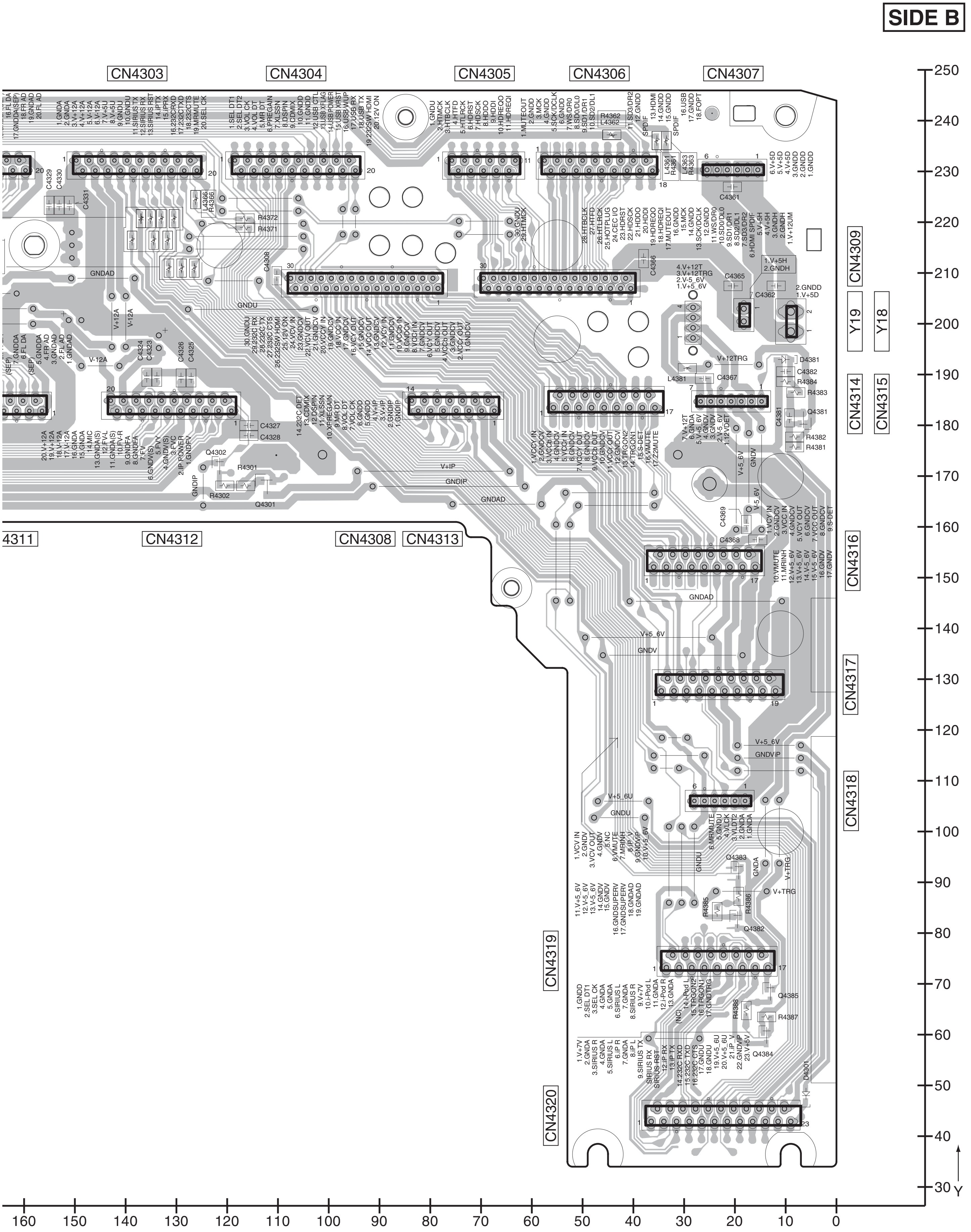


SIDE B

N INTERFACE ASSY


CN4321
CN4301
CN4302
11.USB TX
10.USB RX
9.USB WUP
8.GNDD
7.USB SPDIF
6.GNDD
5.USB XRST
4.V+5D
3.USB POWER
2.USB XFLAG
1.USB CTL
15.FV-R
14.GNDFA
13.FV-L
12.GFV
11.FV
10.FVY
9.FVC
8.GNDD
7.FOPT
6.V+5D
5.V+12A
4.GNDA
3.V-12A
2.MICOUT
1.MICDET
13.22C DET
12.HOTPLUG
11.CEC I/O
10.FANSTOP
9.FAN ON
8.MC DET
7.V+5AD
6.V+5AD
5.GNDAD
4.GNDAD
3.XM DA R
2.GNDDA
1.XM DA L
AWX
LF
IC4311
GNDD
GNDFA
GNDFV
GNDA
V+5D
V+6AD
V+5AD
GNDV
V-12A
V+12A
GNDAD
R4351
L4351
R4352
L4352
C4312
C4311
C4329
C4330
C4331
R4303
R4304
C4322
C4321
4.V+12T
3.V+12TRG
2.V-5_6V
1.V+5_6V
8.GNDA
7.GNDA
6.GNDA
5.GNDA
4.V+12A
3.V+12A
2.V+12T
1.V+12TRG
11.FANSTOP
10.FANDRIVE
9.V IP
8.GNDIP
7.GNDIP
6.V+5_6V
5.V-5_6V
4.GNDV
3.GNDV
2.GNDV
1.V+6AD
V+IP2
GNDIP
GNDFV
ATTENTION
EN CAS DE REMPLACEMENT DES FUSIBLES IC4301
N'UTILISER QUE LA REFERENCE 49101.6
DE CHEZ LITTELFUSE INC.
PNE-1B1
(ANP7603-B)
J4308
J4309
CN4310
CN4311

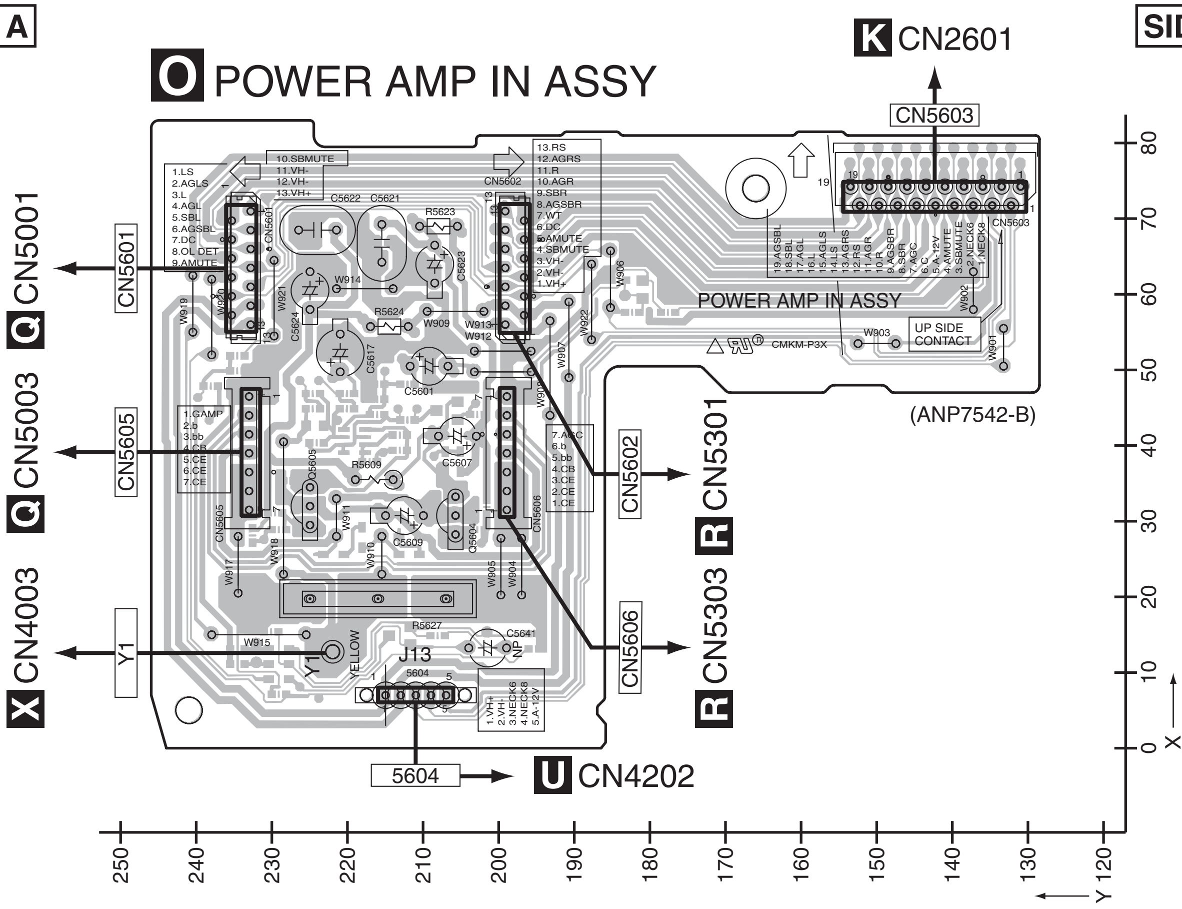
320
310
300
290
280
270
260
250
240
230
220
210
200
190
180
170
160
150


SIDE B
CN4303
CN4304
CN4305
CN4306
CN4307
CN4308
CN4309
CN4311
CN4312
CN4313
CN4314
CN4315
CN4316
CN4317
CN4318
CN4319
CN4320
Y18
Y19
GNDAD
GNDU
GNDIP
GNDV
V+12A
V-12A
V+IP
V+5_6V
V+5_6U
V+12TRG
V+TRG
GNDVIP
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
Y
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
X

11.12 POWER AMP IN ASSY

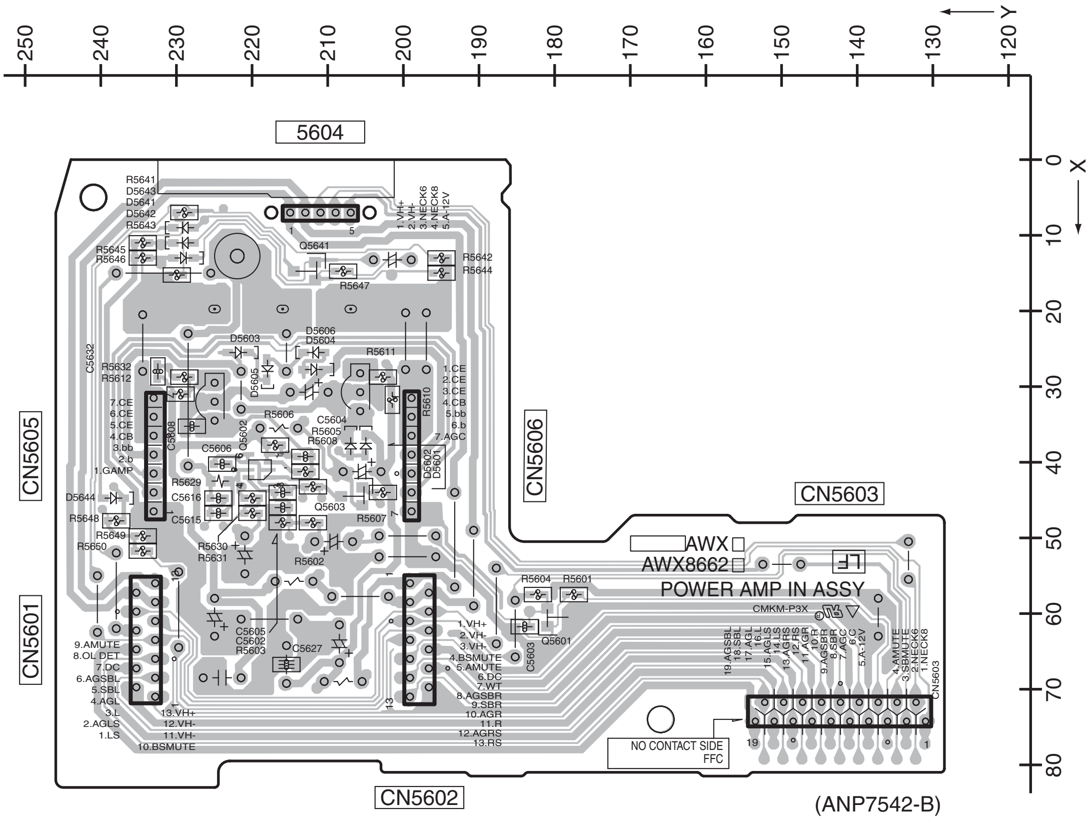
SIDE A **SIDE A**

O POWER AMP IN ASSY


K CN2601
CN5603
Q CN5001
CN5601
Q CN5003
CN5605
X CN4003
Y1
R CN5301
CN5602
R CN5303
CN5606
5604
U CN4202
1.LS
2.AGLS
3.L
4.AGL
5.SBL
6.AGSBL
7.DC
8.OL DET
9.AMUTE
10.SBMUTE
11.VH-
12.VH-
13.VH+
13.RS
12.AGRS
11.R
10.AGR
9.SBR
8.AGSBR
7.WT
6.DC
5.AMUTE
4.SBMUTE
3.VH-
2.VH-
1.VH+
1.GAMP
2.b
3.bb
4.CB
5.CE
6.CE
7.CE
7.AGC
6.b
5.bb
4.CB
3.CE
2.CE
1.CE
19.AGSBL
18.SBL
17.AGL
16.L
15.AGLS
14.LS
13.AGRS
12.RS
11.AGR
10.R
9.AGSBR
8.SBR
7.AGC
6.C
5.A-12V
4.AMUTE
3.SBMUTE
2.NECK6
1.NECK8
POWER AMP IN ASSY
UP SIDE CONTACT
CMKM-P3X
(ANP7542-B)
C5622
C5621
R5623
C5623
R5624
C5624
C5617
C5601
C5607
C5609
R5609
Q5605
Q5604
W914
W909
W913
W912
W907
W922
W906
W902
W903
W901
W919
W920
W921
W911
W910
W918
W917
W908
W905
W904
W915
R5627
C5641
NP
YELLOW
J13
1.VH+
2.VH-
3.NECK6
4.NECK8
5.A-12V
80
70
60
50
40
30
20
10
0
X
250
240
230
220
210
200
190
180
170
160
150
140
130
Y 120

SIDE B **SIDE B**

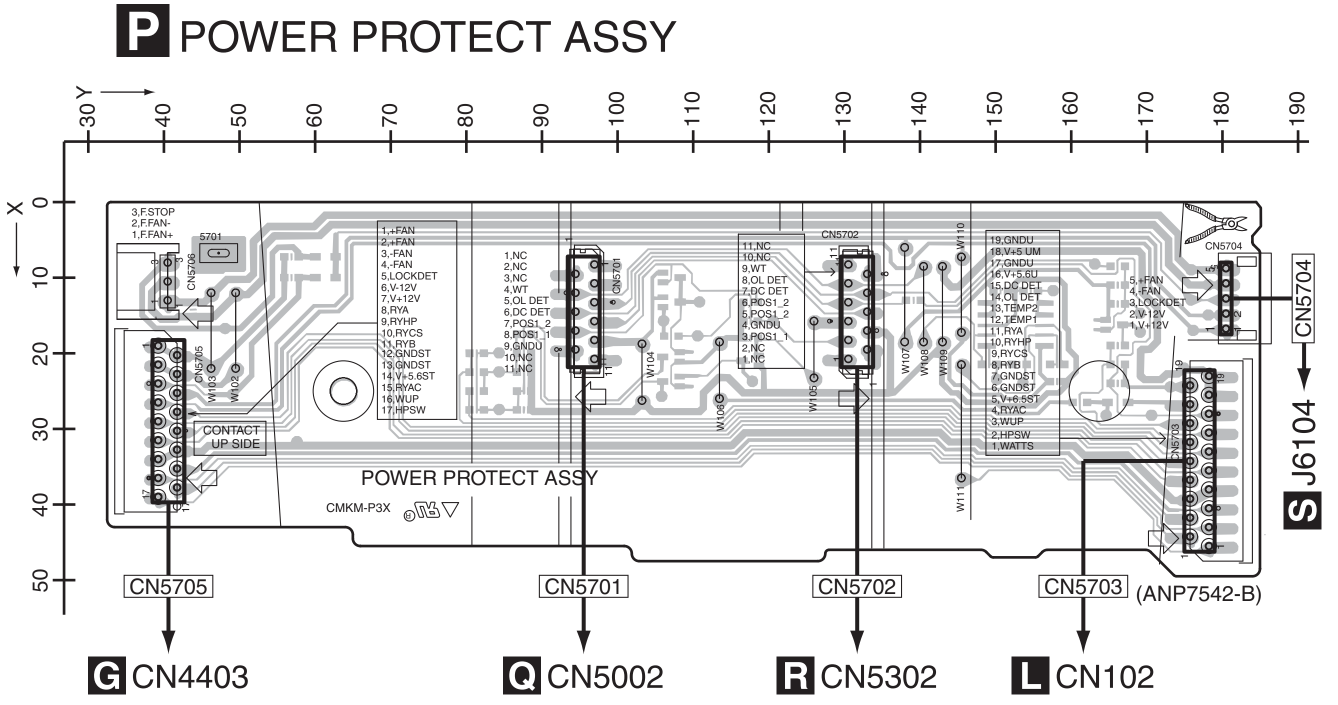
O POWER AMP IN ASSY


250
240
230
220
210
200
190
180
170
160
150
140
130
120
Y
0
10
20
30
40
50
60
70
80
X
5604
CN5605
CN5601
CN5606
CN5603
CN5602
R5641
D5643
D5641
D5642
R5643
R5645
R5646
Q5641
R5647
R5642
R5644
D5603
D5606
D5604
R5611
C5632
R5632
R5612
D5605
R5606
C5604
R5605
R5608
C5608
C5606
Q5602
R5610
D5602
D5601
R5629
C5616
C5615
Q5603
R5607
D5644
R5648
R5649
R5650
R5630
R5631
R5602
C5605
C5602
R5603
C5627
C5603
Q5601
R5604
R5601
1.CE
2.CE
3.CE
4.CB
5.bb
6.b
7.AGC
7.CE
6.CE
5.CE
4.CB
3.bb
2.b
1.GAMP
9.AMUTE
8.OL DET
7.DC
6.AGSBL
5.SBL
4.AGL
3.L
2.AGLS
1.LS
13.VH+
12.VH-
11.VH-
10.BSMUTE
1.VH+
2.VH-
3.VH-
4.BSMUTE
5.AMUTE
6.DC
7.WT
8.AGSBR
9.SBR
10.AGR
11.R
12.AGRS
13.RS
1.VH+
2.VH-
3.NECK6
4.NECK8
5.A-12V
AWX
AWX8662
LF
POWER AMP IN ASSY
CMKM-P3X
19.AGSBL
18.SBL
17.AGL
16.L
15.AGLS
14.LS
13.AGRS
12.RS
11.AGR
10.R
9.AGSBR
8.SBR
7.AGC
6.C
5.A-12V
4.AMUTE
3.SBMUTE
2.NECK6
1.NECK8
NO CONTACT SIDE FFC
(ANP7542-B)

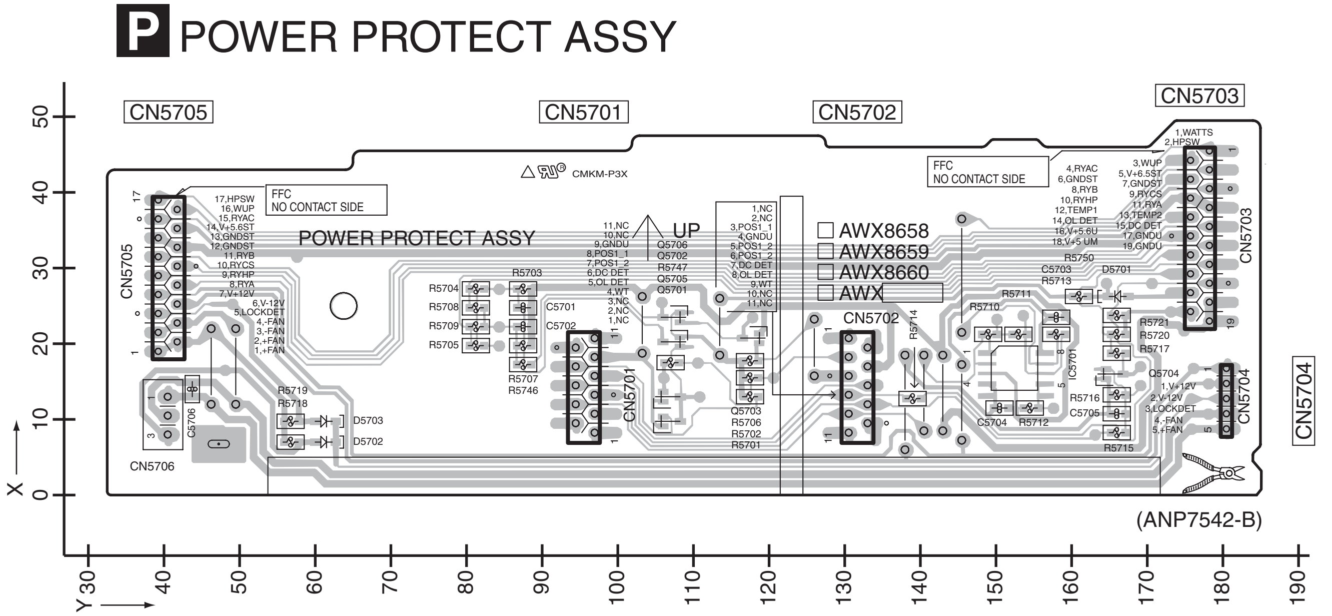
O **O**

11.13 POWER PROTECT ASSY

SIDE A **SIDE A**

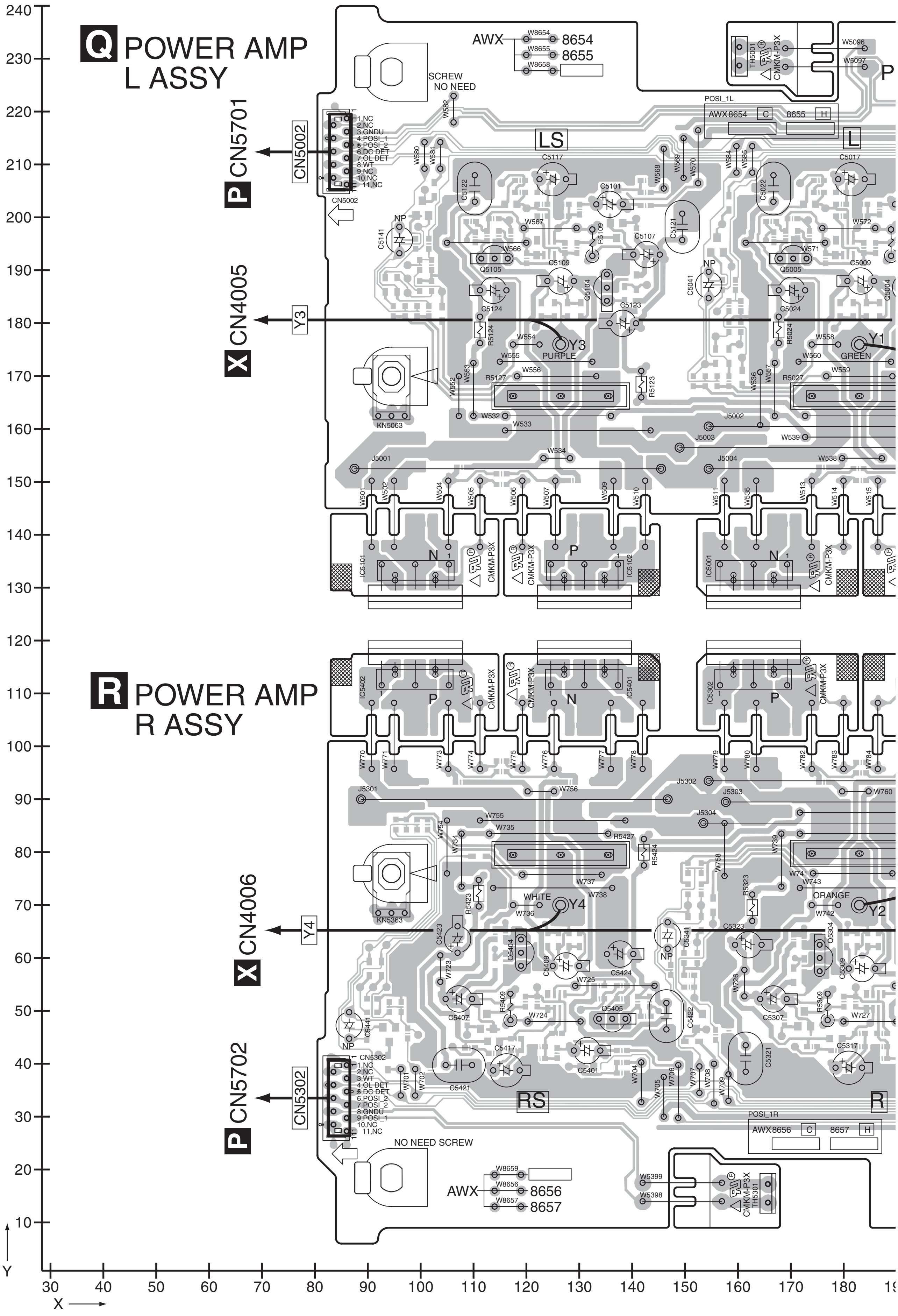

P POWER PROTECT ASSY
Y
30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190
X
0 10 20 30 40 50
3,F.STOP
2,F.FAN-
1,F.FAN+
5701
CN5706
1,+FAN
2,+FAN
3,-FAN
4,-FAN
5,LOCKDET
6,V-12V
7,V+12V
8,RYA
9,RYHP
10,RYCS
11,RYB
12,GNDST
13,GNDST
14,V+5.6ST
15,RYAC
16,WUP
17,HPSW
1,NC
2,NC
3,NC
4,WT
5,OL DET
6,DC DET
7,POS1_2
8,POS1_1
9,GNDU
10,NC
11,NC
CN5701
11,NC
10,NC
9,WT
8,OL DET
7,DC DET
6,POS1_2
5,POS1_2
4,GNDU
3,POS1_1
2,NC
1,NC
CN5702
19,GNDU
18,V+5 UM
17,GNDU
16,V+5.6U
15,DC DET
14,OL DET
13,TEMP2
12,TEMP1
11,RYA
10,RYHP
9,RYCS
8,RYB
7,GNDST
6,GNDST
5,V+6.5ST
4,RYAC
3,WUP
2,HPSW
1,WATTS
CN5704
5,+FAN
4,-FAN
3,LOCKDET
2,V-12V
1,V+12V
CN5703
CN5705
W102
W103
W104
W105
W106
W107
W108
W109
W110
W111
CONTACT UP SIDE
POWER PROTECT ASSY
CMKM-P3X
CN5705
CN5701
CN5702
CN5703
(ANP7542-B)
CN5704
S J6104
G CN4403
Q CN5002
R CN5302
L CN102

SIDE B **SIDE B**


P POWER PROTECT ASSY
CN5705
CN5701
CN5702
CN5703
50 40 30 20 10 0
X
CMKM-P3X
17,HPSW
16,WUP
15,RYAC
14,V+5.6ST
13,GNDST
12,GNDST
11,RYB
10,RYCS
9,RYHP
8,RYA
7,V+12V
6,V-12V
5,LOCKDET
4,-FAN
3,-FAN
2,+FAN
1,+FAN
FFC
NO CONTACT SIDE
POWER PROTECT ASSY
11,NC
10,NC
9,GNDU
8,POS1_1
7,POS1_2
6,DC DET
5,OL DET
4,WT
3,NC
2,NC
1,NC
UP
Q5706
Q5702
R5747
Q5705
Q5701
1,NC
2,NC
3,POS1_1
4,GNDU
5,POS1_2
6,POS1_2
7,DC DET
8,OL DET
9,WT
10,NC
11,NC
☐ AWX8658
☐ AWX8659
☐ AWX8660
☐ AWX
FFC
NO CONTACT SIDE
4,RYAC
6,GNDST
8,RYB
10,RYHP
12,TEMP1
14,OL DET
16,V+5.6U
18,V+5 UM
1,WATTS
2,HPSW
3,WUP
5,V+6.5ST
7,GNDST
9,RYCS
11,RYA
13,TEMP2
15,DC DET
17,GNDU
19,GNDU
CN5705
R5704
R5708
R5709
R5705
R5703
R5707
R5746
C5701
C5702
CN5701
R5719
R5718
D5703
D5702
C5706
CN5706
Q5703
R5706
R5702
R5701
CN5702
R5714
R5710
R5711
R5750
C5703
R5713
D5701
IC5701
C5704
R5712
R5716
C5705
R5715
R5721
R5720
R5717
Q5704
1,V+12V
2,V-12V
3,LOCKDET
4,-FAN
5,+FAN
CN5704
(ANP7542-B)
30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190
Y

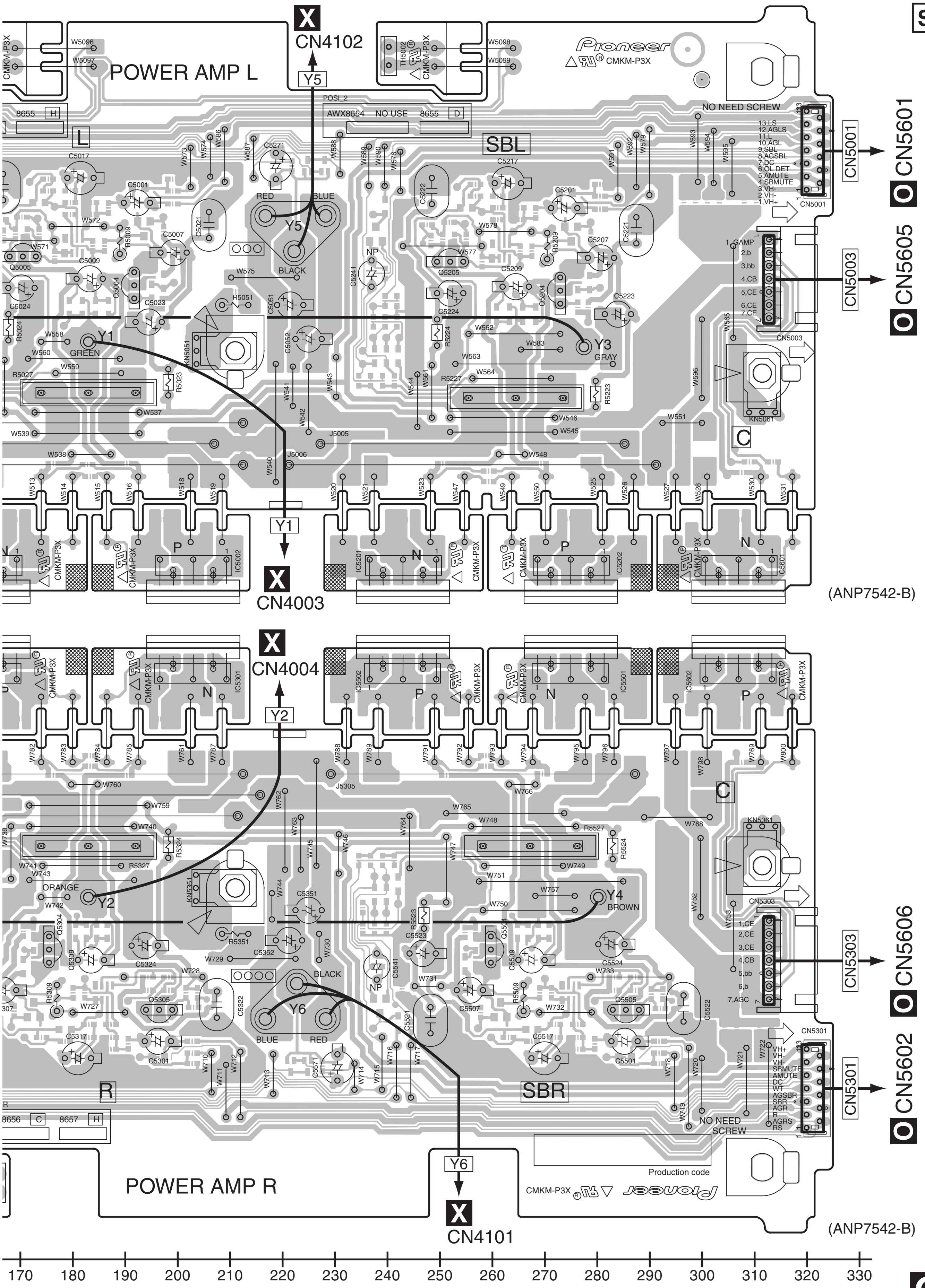
11.14 POWER AMP L and POWER AMP R ASSYS

SIDE A


Q POWER AMP L ASSY
R POWER AMP R ASSY
P CN5701
CN5002
X CN4005
Y3
X CN4006
Y4
P CN5702
CN5302
AWX 8654
8655
8656
8657
SCREW NO NEED
NO NEED SCREW
LS
L
RS
R
POSI_1L
POSI_1R
AWX 8654 C 8655 H
AWX 8656 C 8657 H
1,NC
2,NC
3,GNDU
4,POSI_1
5,POSI_2
6,DC DET
7,OL DET
8,WT
9,NC
10,NC
11,NC
1,NC
2,NC
3,WT
4,OL DET
5,DC DET
6,POSI_2
7,POSI_2
8,GNDU
9,POSI_1
10,NC
11,NC
PURPLE
GREEN
WHITE
ORANGE
Y1
Y2
IC5101
IC5102
IC5001
IC5402
IC5401
IC5302
CMKM-P3X
TH5001
TH5301
KN5063
KN5363
N
P
NP
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
30
40
50
60
70
80
90
100
110
120
130
140
150
160
170
180
X

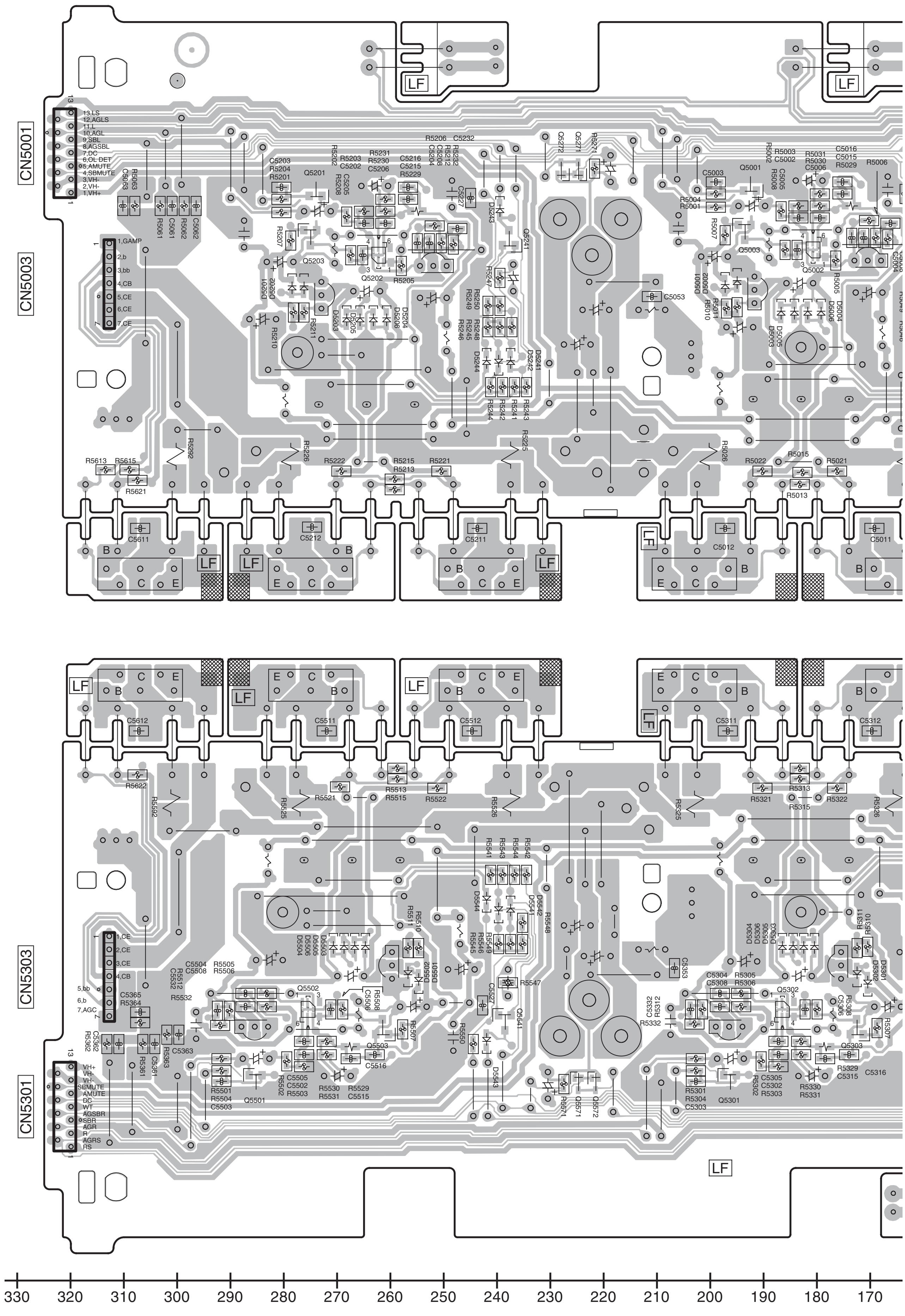
Q **R**

SIDE A


X
CN4102
Y5
POWER AMP L
POSI_2
AWX8654
NO USE
8655
H
D
L
SBL
CMKM-P3X
NO NEED SCREW
13,LS
12,AGLS
11,L
10,AGL
9,SBL
8,AGSBL
7,DC
6,OL DET
5,AMUTE
4,SBMUTE
3,VH-
2,VH-
1,VH+
CN5001
CN5601
1,GAMP
2,b
3,bb
4,CB
5,CE
6,CE
7,CE
CN5003
CN5605
RED
BLUE
BLACK
Y1
GREEN
Y3
GRAY
KN5051
KN5061
C
J5005
J5006
IC5002
IC5201
IC5202
IC5601
N
P
X
CN4003
(ANP7542-B)
X
CN4004
Y2
IC5301
IC5502
IC5501
IC5602
J5305
KN5361
KN5351
ORANGE
Y4
BROWN
CN5303
1,CE
2,CE
3,CE
4,CB
5,bb
6,b
7,AGC
CN5606
NP
Y6
BLUE
RED
BLACK
CN5301
VH+
VH-
VH-
SBMUTE
AMUTE
DC
WT
AGSBR
SBR
AGR
R
AGRS
RS
CN5602
R
SBR
8656
8657
NO NEED SCREW
Production code
POWER AMP R
Y6
X
CN4101
(ANP7542-B)
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330

Q **R**

SIDE B

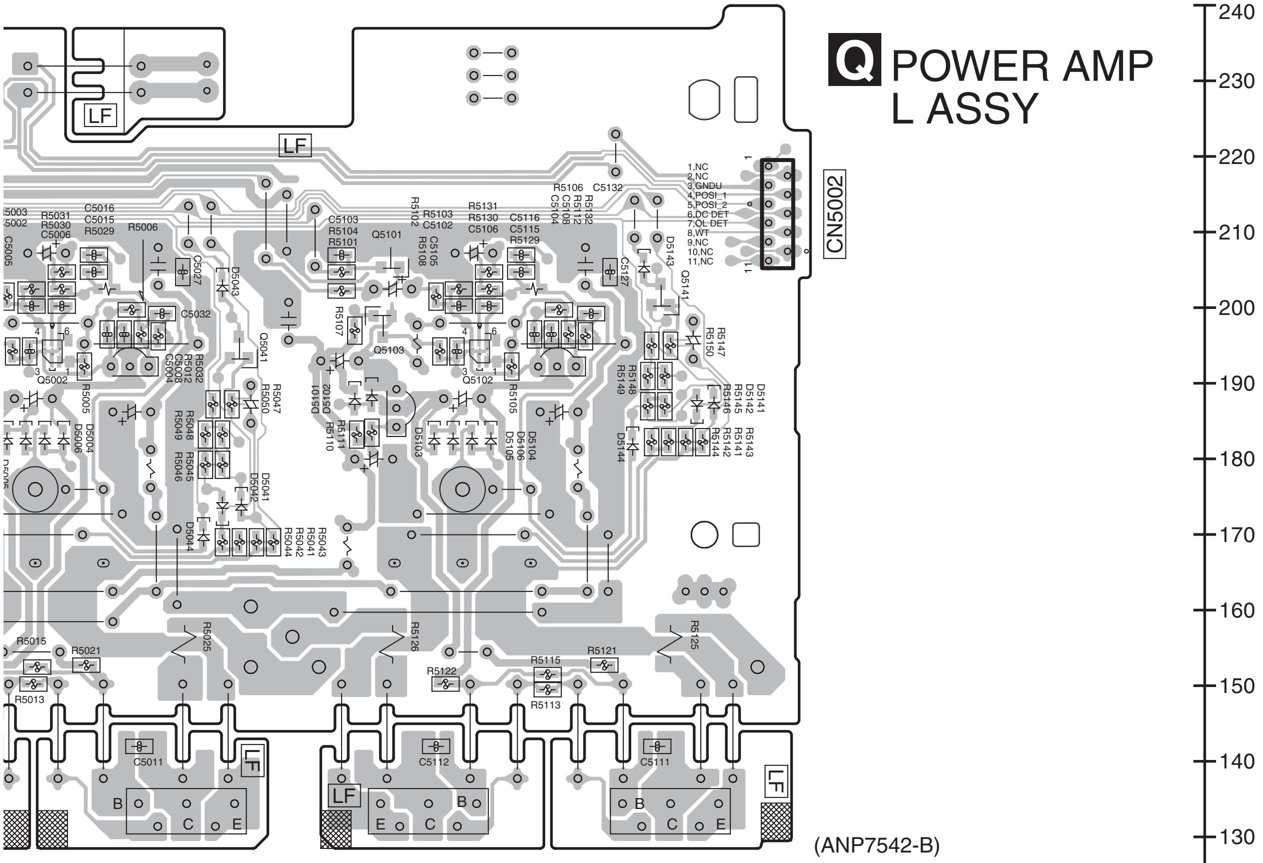

CN5001
13,LS
12,AGLS
11,L
10,AGL
9,SBL
8,AGSBL
7,DC
6,OL DET
5,AMUTE
4,SBMUTE
3,VH-
2,VH-
1,VH+
CN5003
1,GAMP
2,b
3,bb
4,CB
5,CE
6,CE
7,CE
LF
B
C
E
Q5201
Q5202
Q5203
Q5241
Q5271
Q5272
Q5001
Q5002
Q5003
C5611
C5212
C5211
C5012
C5011
C5053
R5613
R5615
R5621
R5222
R5215
R5213
R5221
R5022
R5015
R5021
R5013
R5292
R5226
R5225
R5026
C5612
C5511
C5512
C5311
C5312
R5622
R5521
R5513
R5515
R5522
R5321
R5313
R5315
R5322
R5592
R5525
R5526
R5325
R5326
CN5303
1,CE
2,CE
3,CE
4,CB
5,bb
6,b
7,AGC
CN5301
VH+
VH-
VH-
SBMUTE
AMUTE
DC
WT
AGSBR
SBR
AGR
R
AGRS
RS
Q5501
Q5502
Q5503
Q5541
Q5571
Q5572
Q5301
Q5302
Q5303
C5353
R5547
R5548
C5316
330
320
310
300
290
280
270
260
250
240
230
220
210
200
190
180
170

A
B
C
D
E
F

Q R

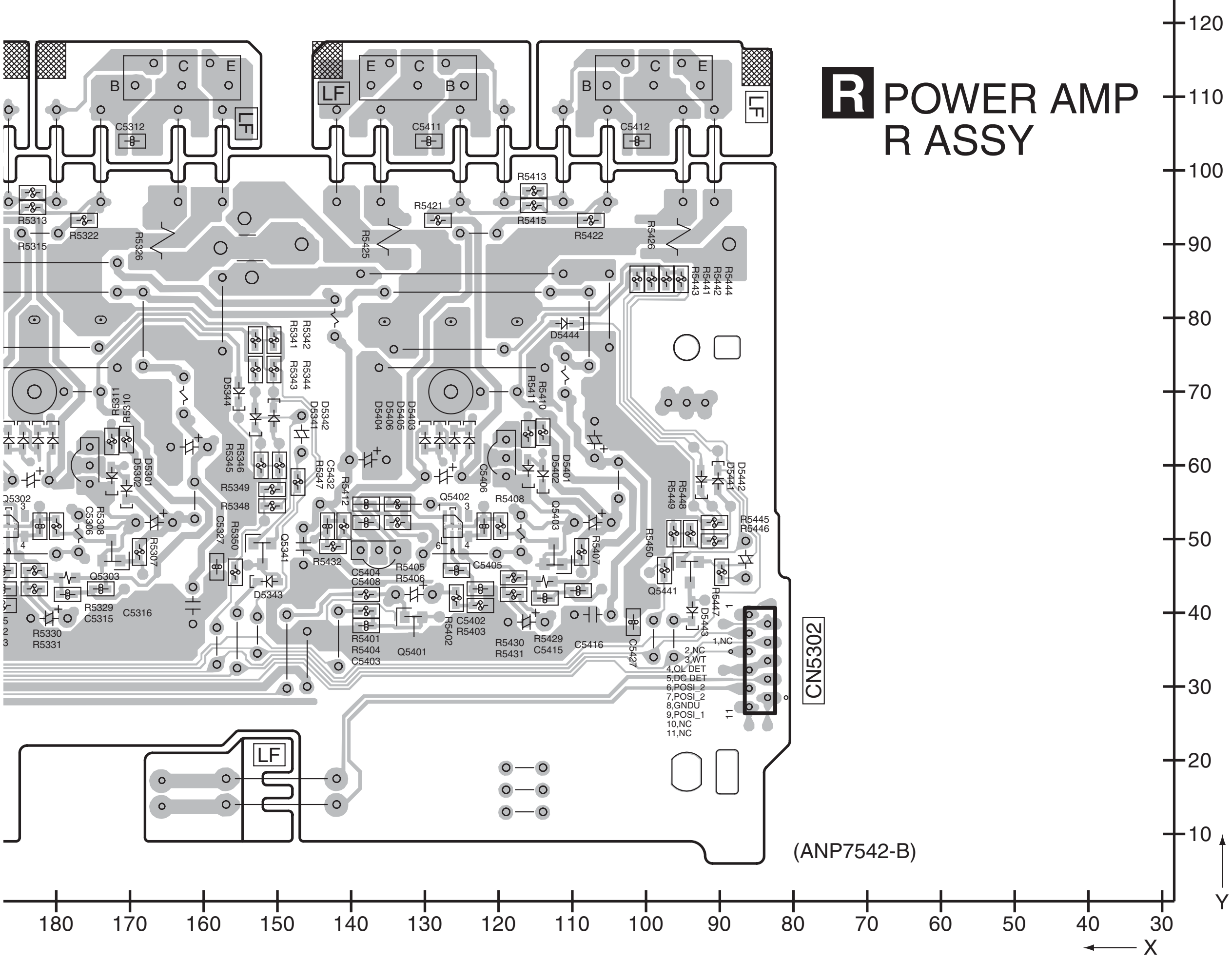
SIDE B

Q POWER AMP L ASSY


LF
CN5002
1,NC
2,NC
3,GNDU
4,POSI_1
5,POSI_2
6,DC DET
7,OL DET
8,WT
9,NC
10,NC
11,NC
R5031
R5030
C5006
C5016
C5015
R5029
R5006
C5027
D5043
C5032
Q5041
Q5002
R5005
D5004
D5006
R5047
R5050
R5048
R5049
R5045
R5046
D5041
D5042
D5044
R5043
R5041
R5042
R5044
C5103
R5104
R5101
Q5101
R5102
R5103
C5102
C5105
R5108
R5107
Q5103
D5102
D5101
R5111
R5110
D5103
R5131
R5130
C5106
C5116
C5115
R5129
Q5102
R5105
D5104
D5106
D5105
R5106
C5132
C5104
C5108
R5112
R5132
C5127
D5143
Q5141
R5147
R5150
R5148
R5149
D5144
D5141
D5142
R5145
R5146
R5143
R5141
R5142
R5144
R5015
R5021
R5013
R5025
R5126
R5122
R5115
R5113
R5121
R5125
C5011
C5112
C5111
B
C
E
240
230
220
210
200
190
180
170
160
150
140
130

(ANP7542-B)

R POWER AMP R ASSY


LF
C5312
C5411
C5412
B
C
E
R5313
R5315
R5322
R5326
R5421
R5425
R5413
R5415
R5422
R5426
R5444
R5442
R5441
R5443
D5444
R5342
R5341
R5344
R5343
D5344
R5311
R5310
D5342
D5341
D5403
D5405
D5406
D5404
R5411
R5410
D5301
D5302
R5346
R5345
C5432
R5347
R5412
C5406
D5401
D5402
Q5302
C5306
R5308
R5307
R5349
R5348
C5327
R5350
Q5341
Q5402
R5408
Q5403
R5448
R5449
D5442
D5441
R5445
R5446
R5450
R5432
R5407
Q5303
D5343
C5404
C5408
R5405
R5406
C5405
Q5441
R5447
D5443
R5329
C5315
C5316
R5330
R5331
R5401
R5404
C5403
Q5401
R5402
C5402
R5403
R5430
R5431
R5429
C5415
C5416
C5427
CN5302
1,NC
2,NC
3,WT
4,OL DET
5,DC DET
6,POSI_2
7,POSI_2
8,GNDU
9,POSI_1
10,NC
11,NC
120
110
100
90
80
70
60
50
40
30
20
10
Y
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
X

(ANP7542-B)

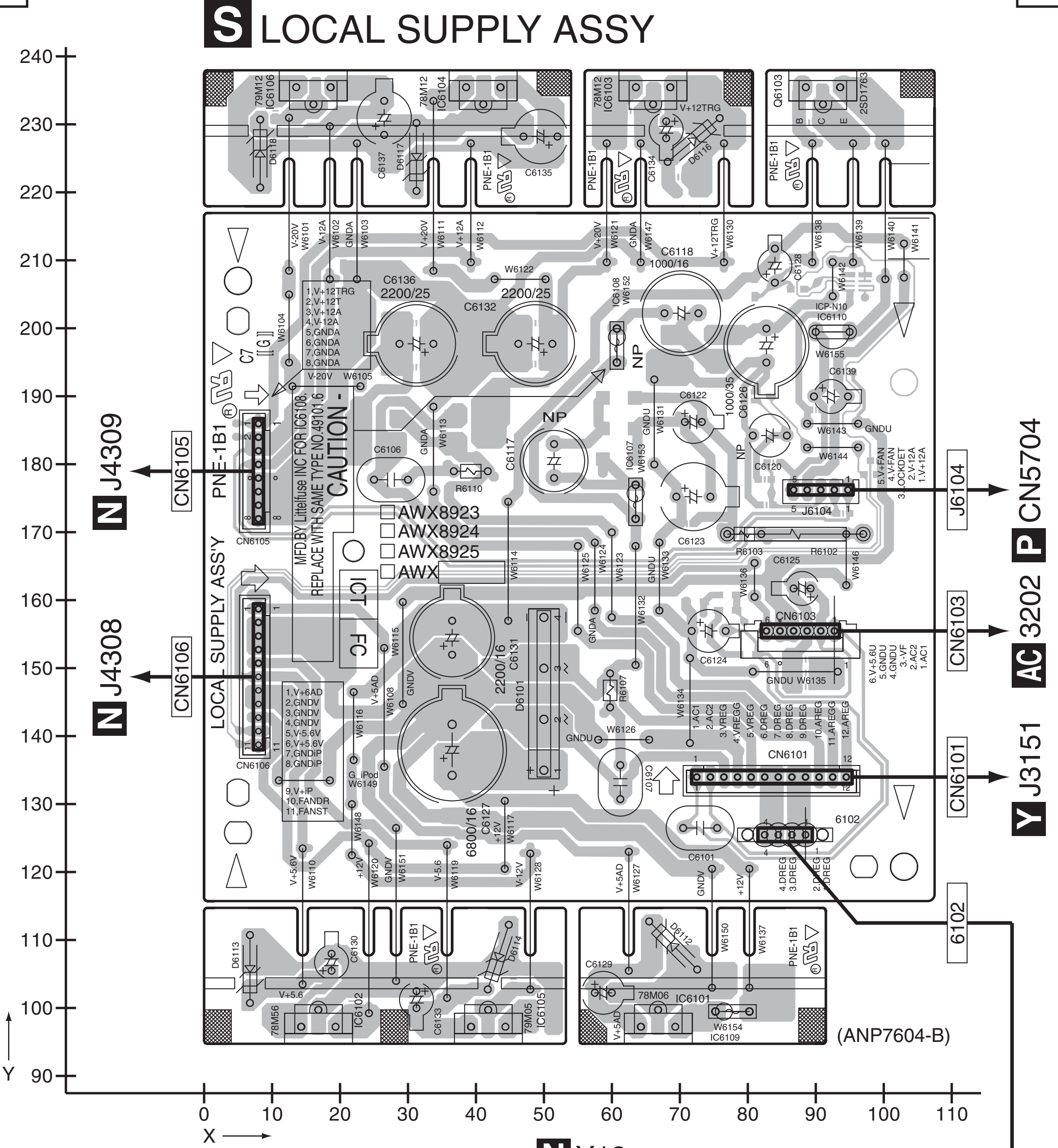
Q R

11.15 LOCAL SUPPLY and DC/DC ASSYS

SIDE A **SIDE A**

A

S LOCAL SUPPLY ASSY

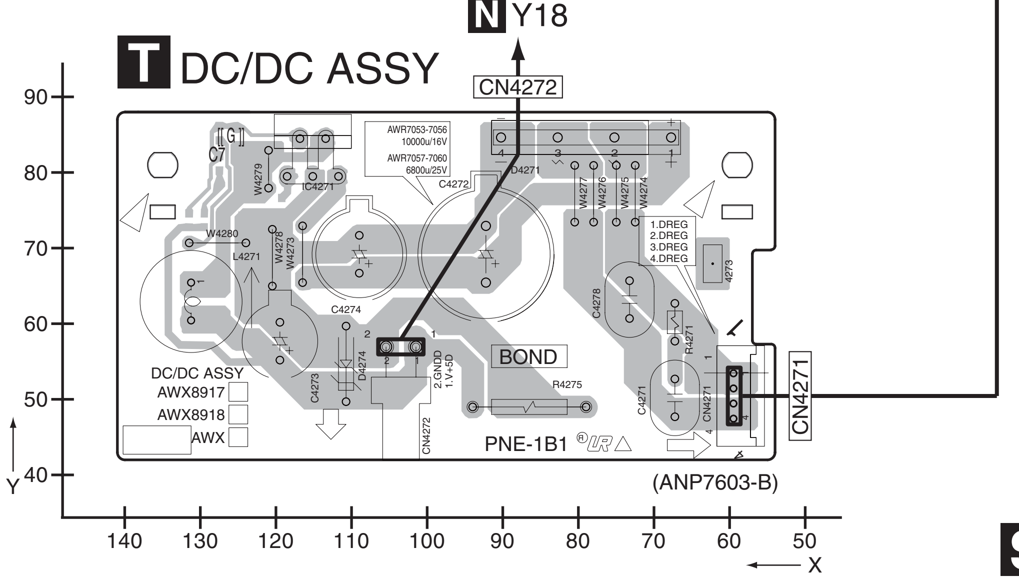

N J4309
CN6105
N J4308
CN6106
J6104
P CN5704
CN6103
AC 3202
CN6101
Y J3151
6102
PNE-1B1
LOCAL SUPPLY ASS'Y
MFD.BY Littelfuse INC FOR IC6108
REPLACE WITH SAME TYPE NO.491016
CAUTION -
AWX8923
AWX8924
AWX8925
AWX
ICT
FC
1,V+12TRG
2,V+12T
3,V+12A
4,V-12A
5,GNDA
6,GNDA
7,GNDA
8,GNDA
1,V+6AD
2,GNDV
3,GNDV
4,GNDV
5,V+5.6V
6,V+5.6V
7,GNDiP
8,GNDiP
9,V+iP
10,FANDR
11,FANST
5.V+FAN
4.V-FAN
3.LOCKDET
2.V-12A
1.V+12A
6.V+5.6U
5.GNDU
4.GNDU
3.-VF
2.AC2
1.AC1
1.AC1
2.AC2
3.VREG
4.VREG
5.VREG
6.DREG
7.DREG
8.DREG
9.DREG
10.AREG
11.AREG
12.AREG
4.DREG
3.DREG
2.DREG
1.DREG
IC6106 79M12
IC6104 78M12
IC6103 78M12
Q6103 2SD1763
IC6102 78M56
IC6105 79M05
IC6101 78M06
IC6109
IC6110 ICP-N10
IC6107
IC6108
C6136 2200/25
C6132 2200/25
C6118 1000/16
C6126 1000/35
C6131 2200/16
C6127 6800/16
D6101
R6102
R6103
R6107
R6110
NP
(ANP7604-B)
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
Y
0
10
20
30
40
50
60
70
80
90
100
110
X

B

C

D

T DC/DC ASSY

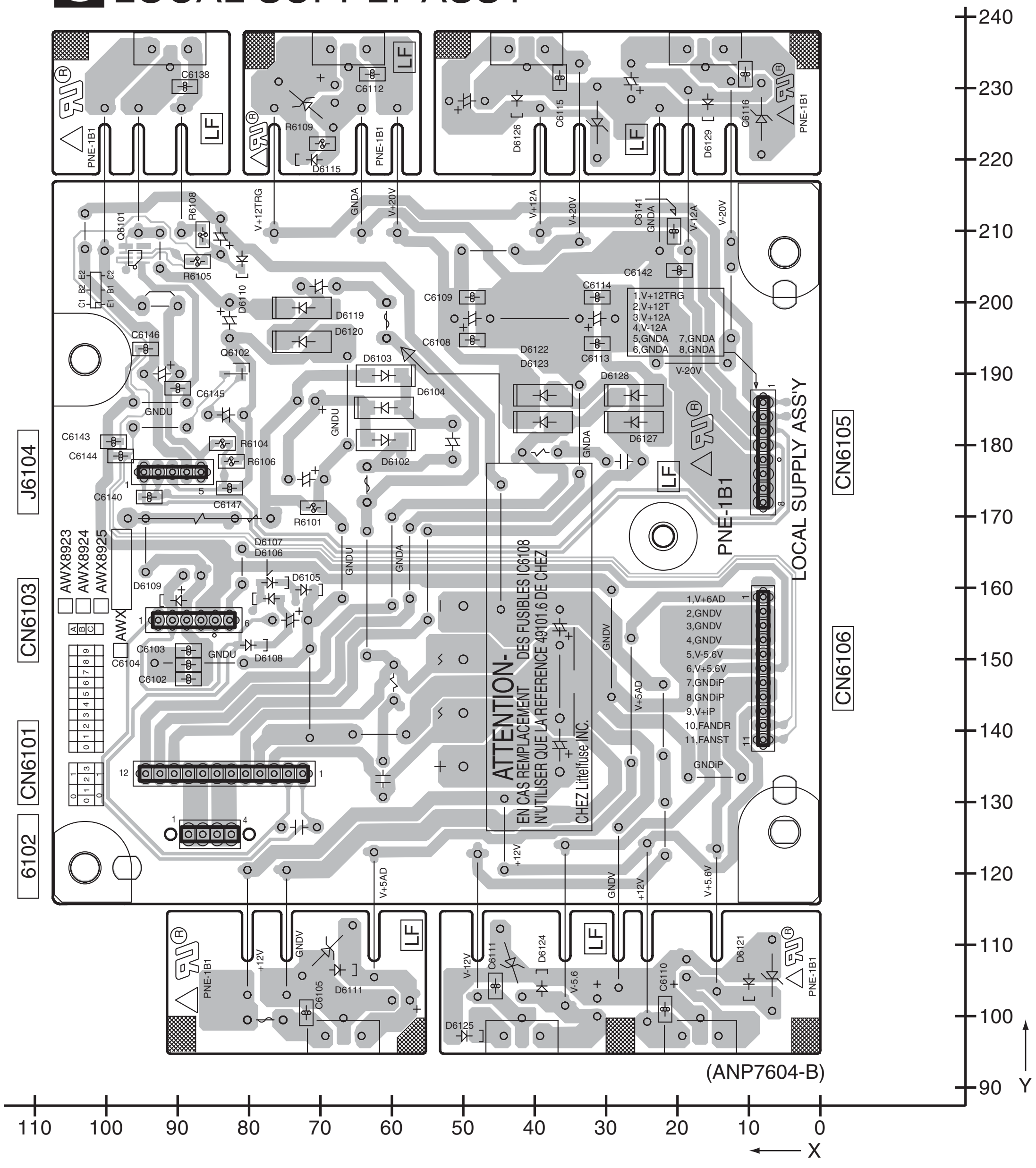

N Y18
CN4272
CN4271
AWR7053-7056
10000u/16V
AWR7057-7060
6800u/25V
C4272
D4271
IC4271
L4271
W4280
W4279
W4278
W4273
W4277
W4276
W4275
W4274
C4274
C4273
D4274
C4278
R4271
C4271
R4275
BOND
1.DREG
2.DREG
3.DREG
4.DREG
2.GNDD
1.V+5D
DC/DC ASSY
AWX8917
AWX8918
AWX
PNE-1B1
C7
(ANP7603-B)
90
80
70
60
50
40
Y
140
130
120
110
100
90
80
70
60
50
X

E

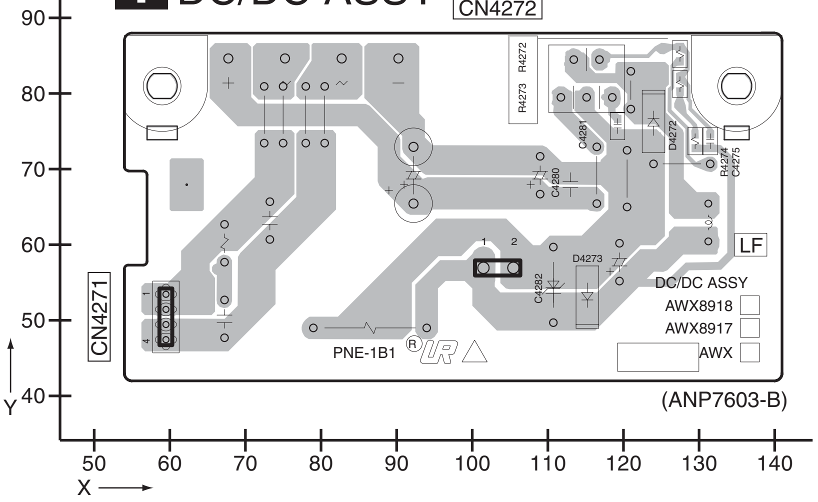
F

S **T** **S** **T**

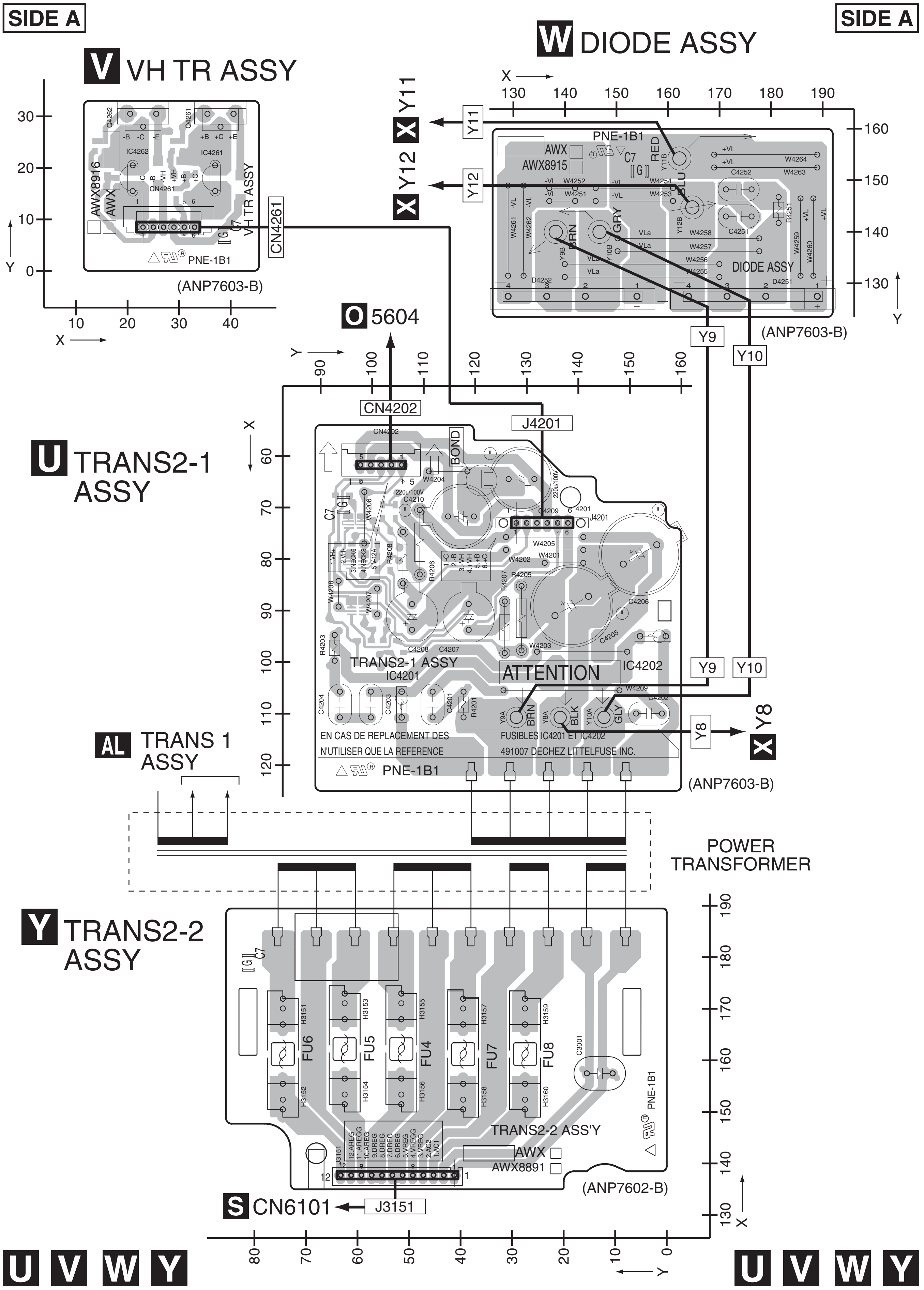
S LOCAL SUPPLY ASSY


J6104
CN6103
CN6101
6102
AWX8923
AWX8924
AWX8925
AWX
CN6105
CN6106
LOCAL SUPPLY ASS'Y
PNE-1B1
LF
C6138
C6112
R6109
D6115
C6115
D6126
D6129
C6116
Q6101
R6108
R6105
D6110
D6119
D6120
Q6102
C6146
C6145
GNDU
C6143
C6144
R6104
R6106
C6140
C6147
R6101
D6103
D6104
D6102
C6109
C6108
D6122
D6123
C6114
C6113
C6141
C6142
D6128
D6127
V+12TRG
GNDA
V+20V
V+12A
V-12A
V-20V
1,V+12TRG
2,V+12T
3,V+12A
4,V-12A
5,GNDA 7,GNDA
6,GNDA 8,GNDA
D6107
D6106
D6109
D6105
D6108
C6103
C6104
C6102
GNDV
V+5AD
1,V+6AD
2,GNDV
3,GNDV
4,GNDV
5,V-5.6V
6,V+5.6V
7,GNDiP
8,GNDiP
9,V+iP
10,FANDR
11,FANST
GNDiP
ATTENTION-
EN CAS REMPLACEMENT DES FUSIBLES IC6108
N'UTILISER QUE LA REFERENCE 49101.6 DE CHEZ
CHEZ Littelfuse INC.
+12V
+5.6V
+12V
GNDV
C6105
D6111
V-12V
C6111
D6124
V-5.6
C6110
D6121
D6125
(ANP7604-B)
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100
90
Y
110 100 90 80 70 60 50 40 30 20 10 0
X

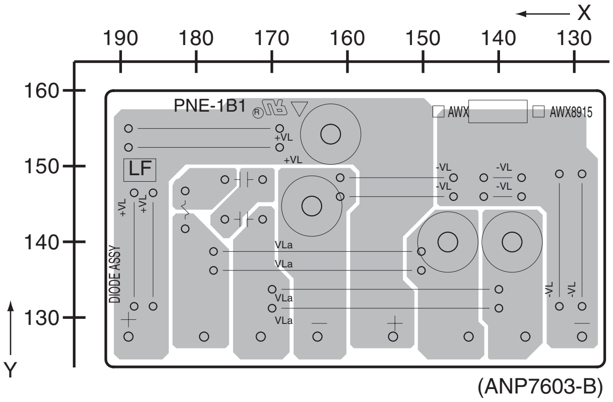
T DC/DC ASSY


CN4272
CN4271
R4272
R4273
C4281
D4272
R4274
C4275
C4280
D4273
C4282
LF
DC/DC ASSY
AWX8918
AWX8917
AWX
PNE-1B1
(ANP7603-B)
90
80
70
60
50
40
Y
50 60 70 80 90 100 110 120 130 140
X

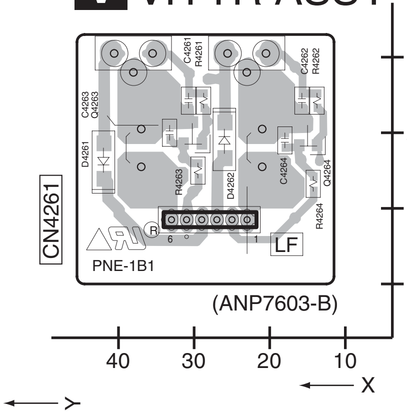
11.16 TRANS2-1, VH-TR, DIODE and TRANS2-2 ASSYS


SIDE A
SIDE A
V VH TR ASSY
W DIODE ASSY
U TRANS2-1 ASSY
AL TRANS 1 ASSY
Y TRANS2-2 ASSY
POWER TRANSFORMER
O 5604
X Y11
X Y12
X Y8
S CN6101
J3151
CN4261
CN4202
J4201
Y9
Y10
Y11
Y12
Y8
AWX8916
AWX
VH TR ASSY
IC4262
IC4261
Q4262
Q4261
PNE-1B1
(ANP7603-B)
AWX8915
DIODE ASSY
RED
BLU
BRN
GRY
D4252
D4251
C4251
C4252
ATTENTION
TRANS2-1 ASSY
IC4201
IC4202
BLK
GLY
EN CAS DE REPLACEMENT DES
N'UTILISER QUE LA REFERENCE
FUSIBLES IC4201 ET IC4202
491007 DECHEZ LITTELFUSE INC.
BOND
FU6
FU5
FU4
FU7
FU8
C3001
TRANS2-2 ASS'Y
AWX8891
(ANP7602-B)
12.AREG
11.AREG
10.AREG
9.DREG
8.DREG
7.DREG
6.DREG
5.VREG
4.VREG
3.VREG
2.AC2
1.AC1
U V W Y
U V W Y

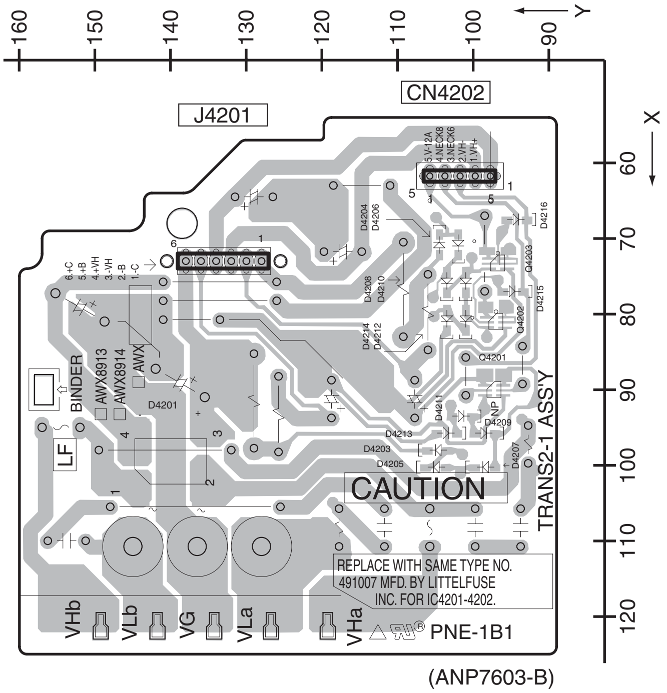
W DIODE ASSY


X
190
180
170
160
150
140
130
160
150
140
130
Y
PNE-1B1
AWX
AWX8915
LF
+VL
-VL
VLa
DIODE ASSY
(ANP7603-B)

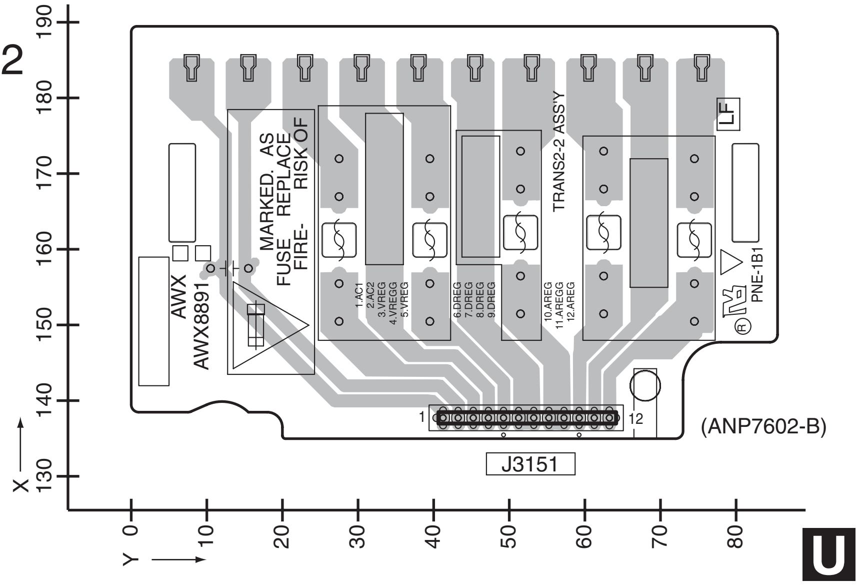
V VH TR ASSY


C4261
R4261
C4262
R4262
C4263
Q4263
D4261
R4263
D4262
C4264
Q4264
R4264
CN4261
PNE-1B1
LF
6
1
30
20
10
0
Y
40
30
20
10
X
(ANP7603-B)

U TRANS2-1 ASSY

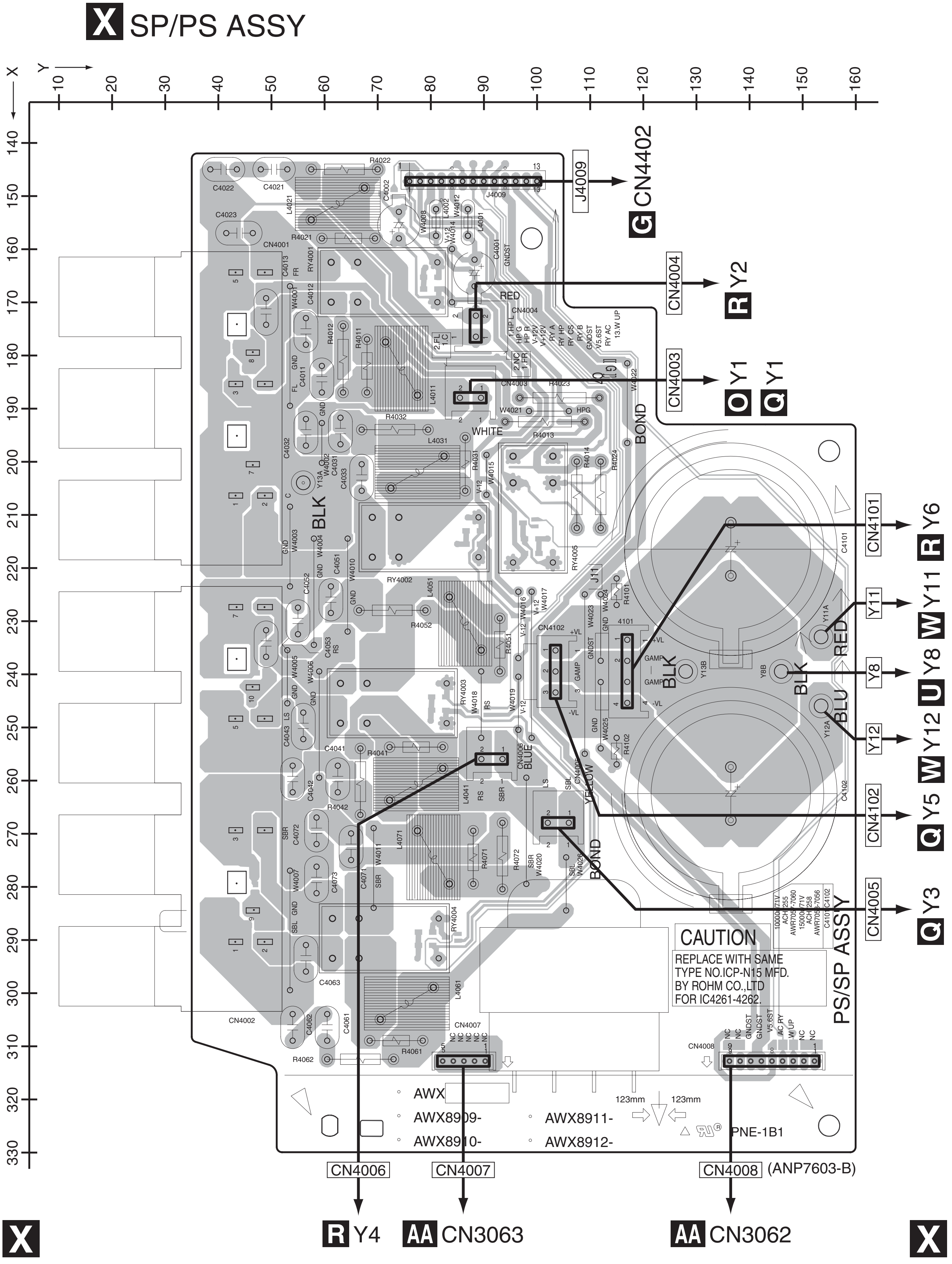

160
150
140
130
120
110
100
90
Y
X
60
70
80
90
100
110
120
J4201
CN4202
5.VH2A
4.NECK8
3.NECK6
2.VH-
1.VH+
6.+C
5.+B
4.+VH
3.-VH
2.-B
1.-C
D4204
D4206
D4216
Q4203
D4208
D4210
D4215
Q4202
D4214
D4212
Q4201
D4211
D4209
D4213
D4203
D4205
D4207
D4201
BINDER
AWX8913
AWX8914
AWX
LF
NP
TRANS2-1 ASS'Y
CAUTION
REPLACE WITH SAME TYPE NO.
491007 MFD. BY LITTELFUSE
INC. FOR IC4201-4202.
VHb
VLb
VG
VLa
VHa
PNE-1B1
(ANP7603-B)

Y TRANS2-2 ASSY

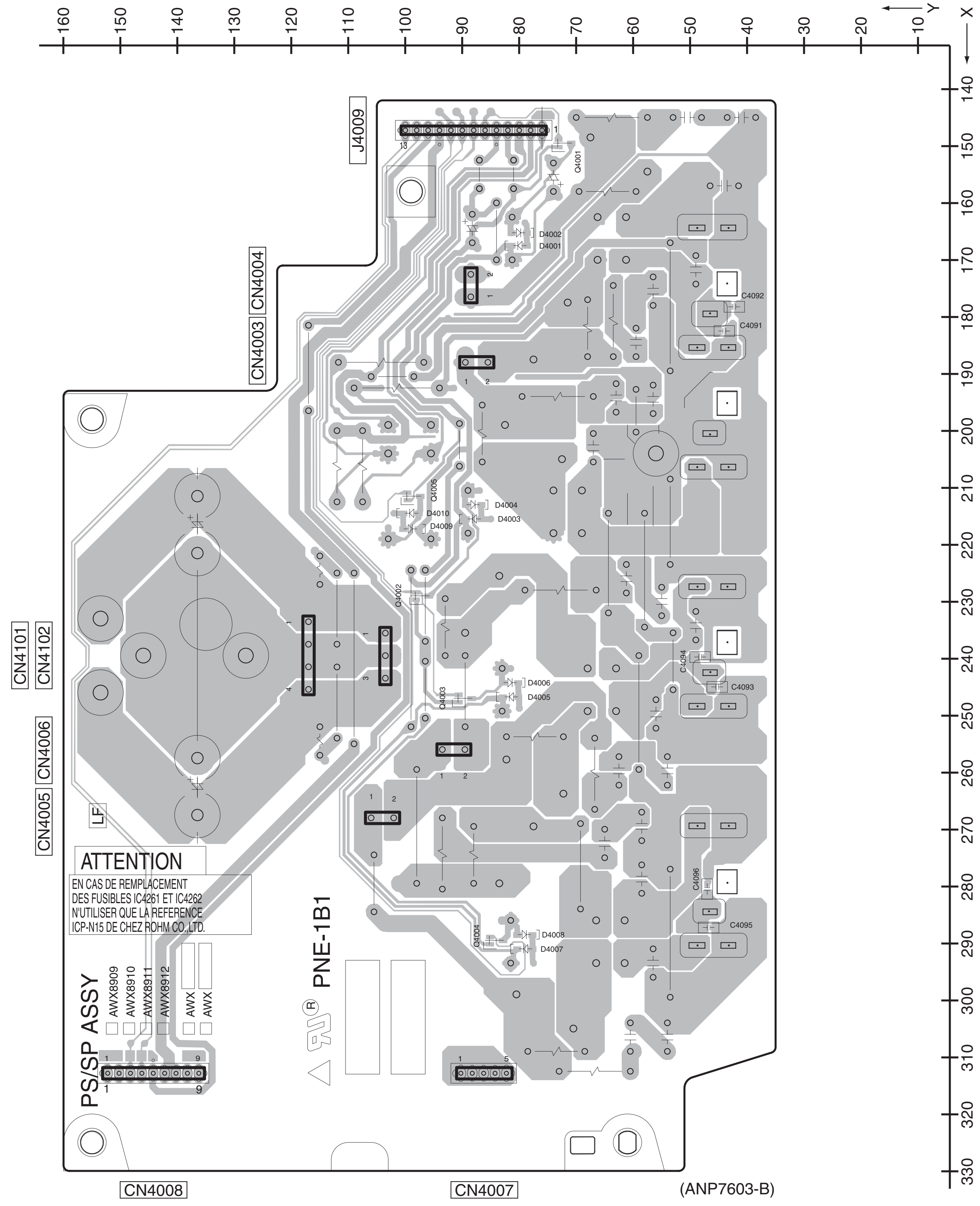

190
180
170
160
150
140
130
X
0
10
20
30
40
50
60
70
80
Y
MARKED. AS
FUSE REPLACE
FIRE- RISK OF
AWX
AWX8891
1.AC1
2.AC2
3.VREG
4.VREG
5.VREG
6.DREG
7.DREG
8.DREG
9.DREG
10.AREG
11.AREG
12.AREG
TRANS2-2 ASS'Y
LF
PNE-1B1
1
12
J3151
(ANP7602-B)

11.17 SP/PS ASSY

SIDE A **SIDE A**


X SP/PS ASSY
X
Y
J4009
G CN4402
CN4004
R Y2
CN4003
O Y1
Q Y1
CN4101
R Y6
Y11
W Y11
Y8
U Y8
Y12
W Y12
CN4102
Q Y5
CN4005
Q Y3
RED
WHITE
BLK
BLUE
YELLOW
BLU
BOND
CAUTION
REPLACE WITH SAME TYPE NO.ICP-N15 MFD. BY ROHM CO.,LTD FOR IC4261-4262.
PS/SP ASSY
AWX
AWX8909-
AWX8910-
AWX8911-
AWX8912-
123mm
PNE-1B1
CN4006
CN4007
CN4008
(ANP7603-B)
R Y4
AA CN3063
AA CN3062
X

X SP/PS ASSY

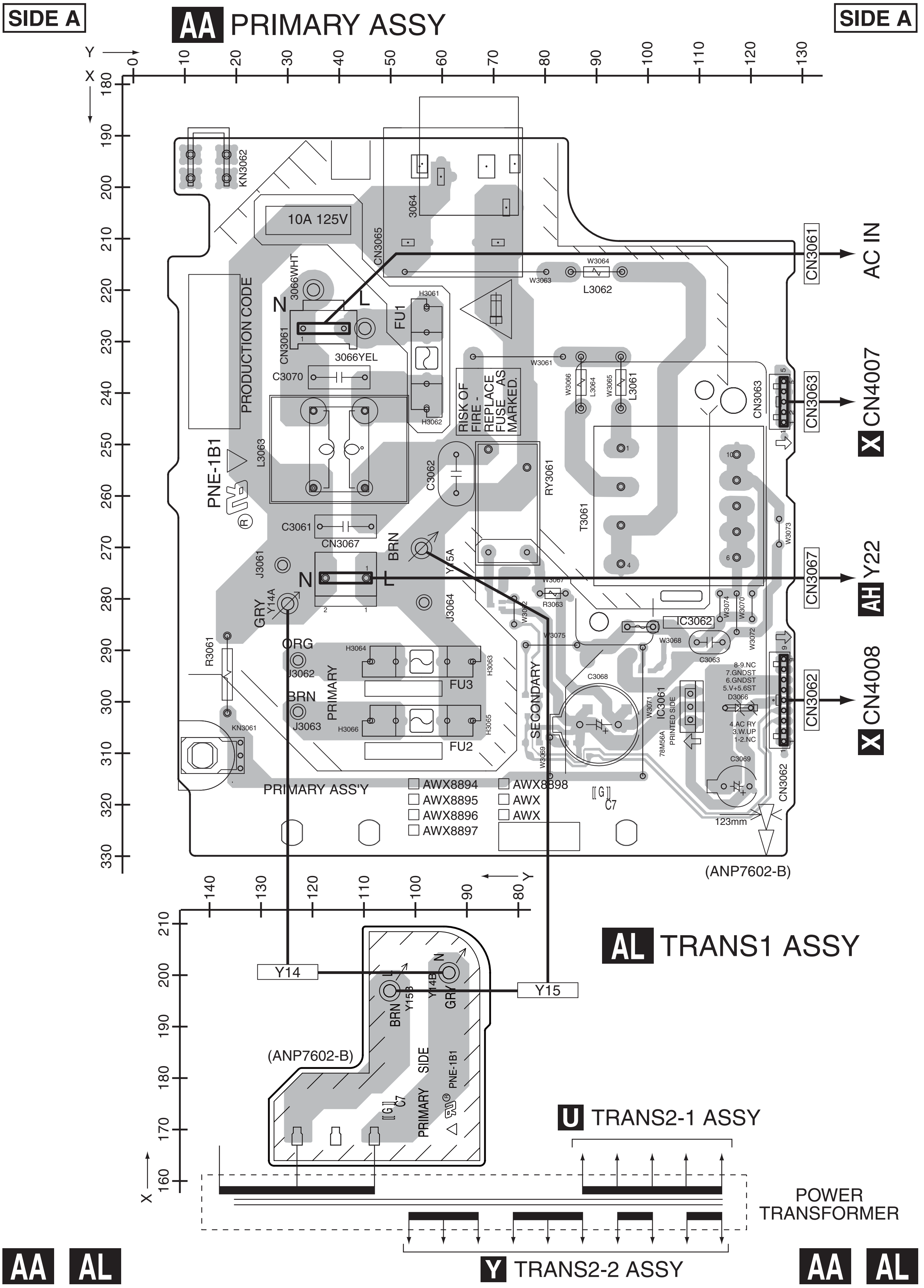

160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
Y
X
140
150
160
170
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
J4009
13
1
Q4001
D4002
D4001
CN4003
CN4004
C4092
C4091
1
2
Q4005
D4010
D4009
D4004
D4003
Q4002
CN4101
CN4102
1
4
1
3
D4006
D4005
Q4003
C4094
C4093
CN4006
CN4005
LF
1
2
1
2
C4096
C4095
Q4004
D4008
D4007
PNE-1B1
PS/SP ASSY
AWX8909
AWX8910
AWX8911
AWX8912
AWX
AWX
1
9
1
9
1
5
CN4008
CN4007

ATTENTION

EN CAS DE REMPLACEMENT
DES FUSIBLES IC4261 ET IC4262
N'UTILISER QUE LA REFERENCE
ICP-N15 DE CHEZ ROHM CO.,LTD.

(ANP7603-B)

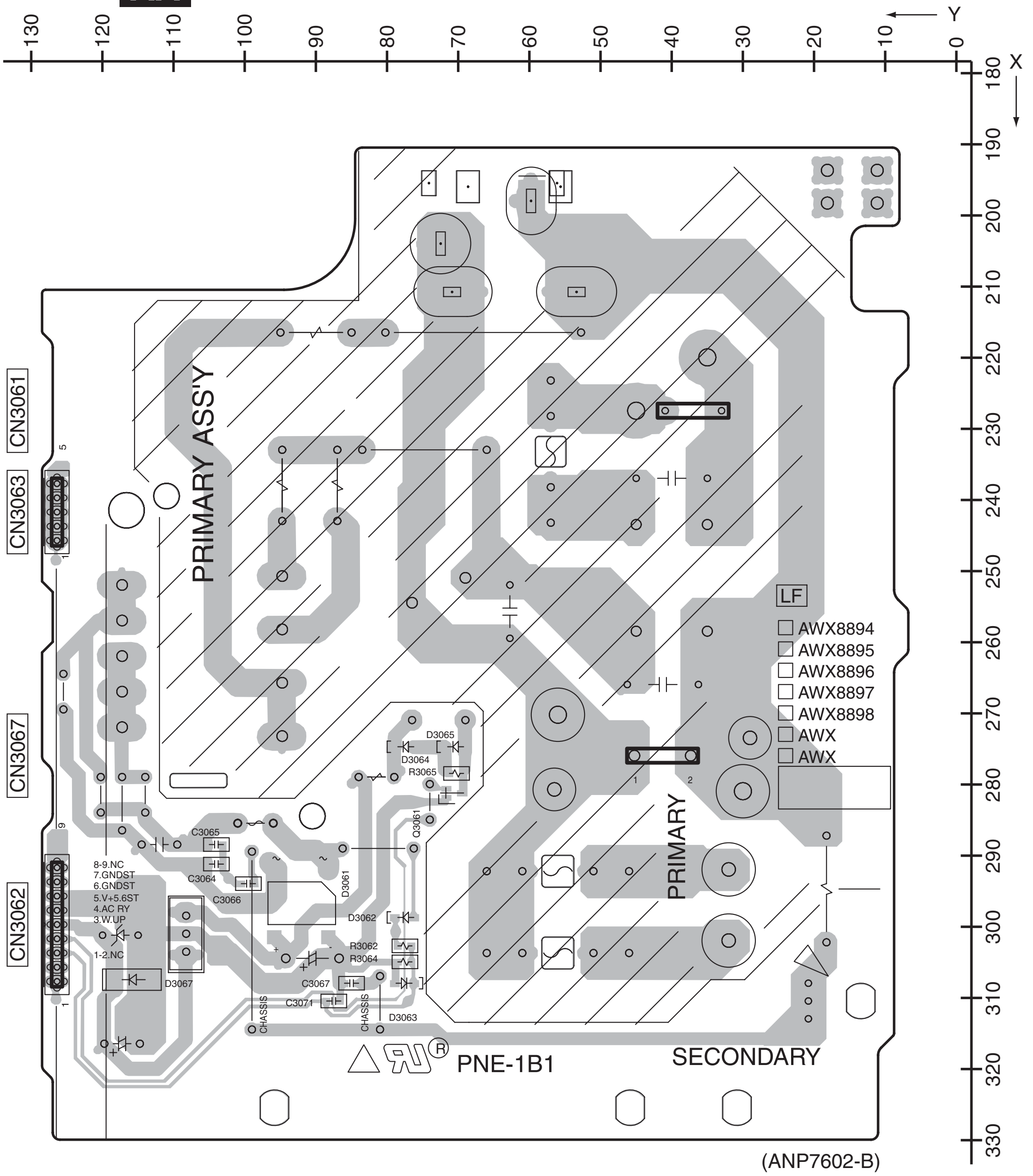
11.18 TRANS1 and PRIMARY ASSYS


SIDE A
AA PRIMARY ASSY
SIDE A
Y
X
0
10
20
30
40
50
60
70
80
90
100
110
120
130
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
KN3062
10A 125V
CN3065
3064
CN3061
AC IN
W3064
W3063
L3062
3066WHT
N
L
FU1
H3061
CN3061
3066YEL
C3070
PRODUCTION CODE
W3061
W3066
L3064
W3065
L3061
CN3063
5
1
CN3063
CN4007
X
H3062
RISK OF FIRE - REPLACE FUSE AS MARKED.
L3063
PNE-1B1
C3062
RY3061
T3061
10
6
4
1
W3073
C3061
CN3067
BRN
Y15A
J3061
N
L
CN3067
AH Y22
2
1
GRY
Y14A
J3064
W3067
R3063
W3062
W3074
W3070
IC3062
W3075
W3068
C3063
W3072
ORG
R3061
J3062
H3064
H3063
FU3
PRIMARY
SECONDARY
C3068
BRN
J3063
H3066
H3065
FU2
KN3061
W3069
W3071
IC3061
78M56A
PRINTED SIDE
8-9.NC
7.GNDST
6.GNDST
5.V+5.6ST
D3066
4.AC RY
3.W.UP
1-2.NC
9
1
CN3062
CN4008
X
C3069
CN3062
PRIMARY ASS'Y
☐ AWX8894
☐ AWX8895
☐ AWX8896
☐ AWX8897
☐ AWX8898
☐ AWX
☐ AWX
[[G]] C7
123mm
(ANP7602-B)
140
130
120
110
100
90
80
Y
210
200
190
180
170
160
X
AL TRANS1 ASSY
Y14
Y15
L
N
Y14B
Y15B
BRN
GRY
(ANP7602-B)
PRIMARY
SIDE
PNE-1B1
[[G]] C7
U TRANS2-1 ASSY
POWER TRANSFORMER
Y TRANS2-2 ASSY
AA AL
AA AL

SIDE B

AA PRIMARY ASSY

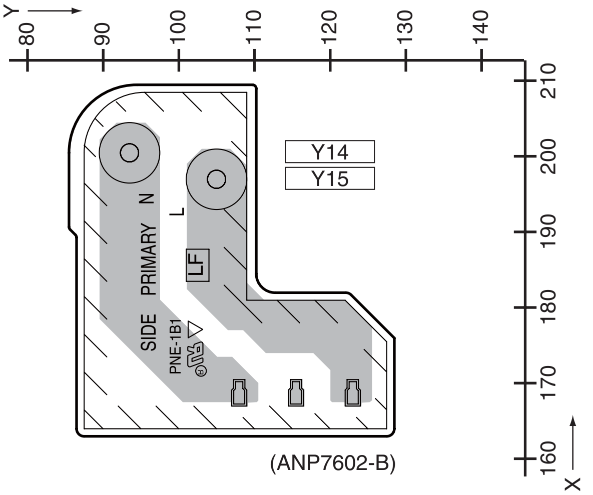
SIDE B



Y
X
130
120
110
100
90
80
70
60
50
40
30
20
10
0
180
190
200
210
220
230
240
250
260
270
280
290
300
310
320
330
CN3061
CN3063
CN3067
CN3062
5
1
9
PRIMARY ASS'Y
LF
☐ AWX8894
☐ AWX8895
☐ AWX8896
☐ AWX8897
☐ AWX8898
☐ AWX
☐ AWX
1
2
PRIMARY
D3065
D3064
R3065
Q3061
C3065
C3064
C3066
D3061
D3062
R3062
R3064
C3067
C3071
D3063
D3067
CHASSIS
CHASSIS
8-9.NC
7.GNDST
6.GNDST
5.V+5.6ST
4.AC RY
3.W.UP
1-2.NC
PNE-1B1
SECONDARY

(ANP7602-B)

AL TRANS1 ASSY

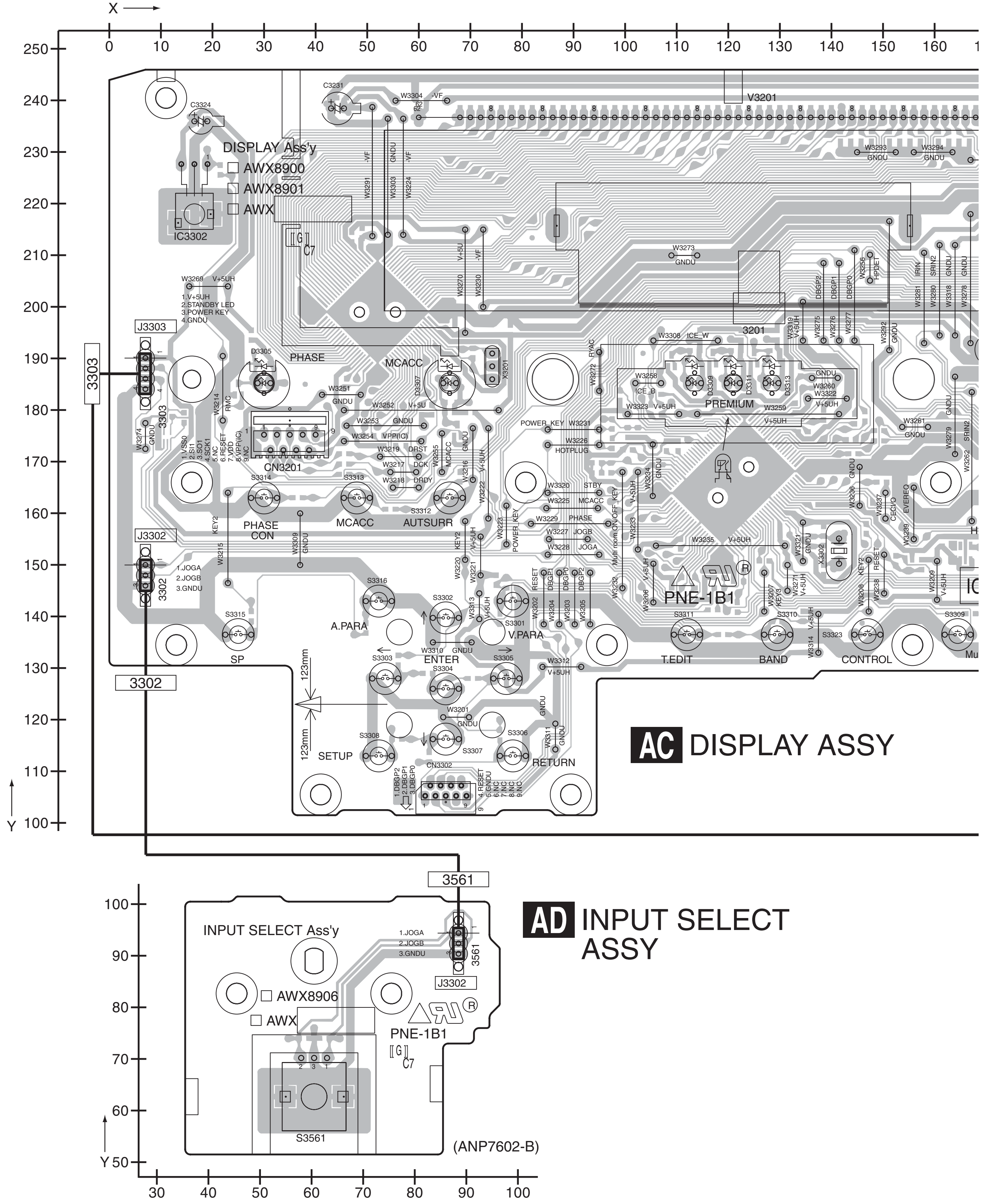


Y
X
80
90
100
110
120
130
140
210
200
190
180
170
160
Y14
Y15
N
L
PRIMARY
SIDE
LF
PNE-1B1

(ANP7602-B)

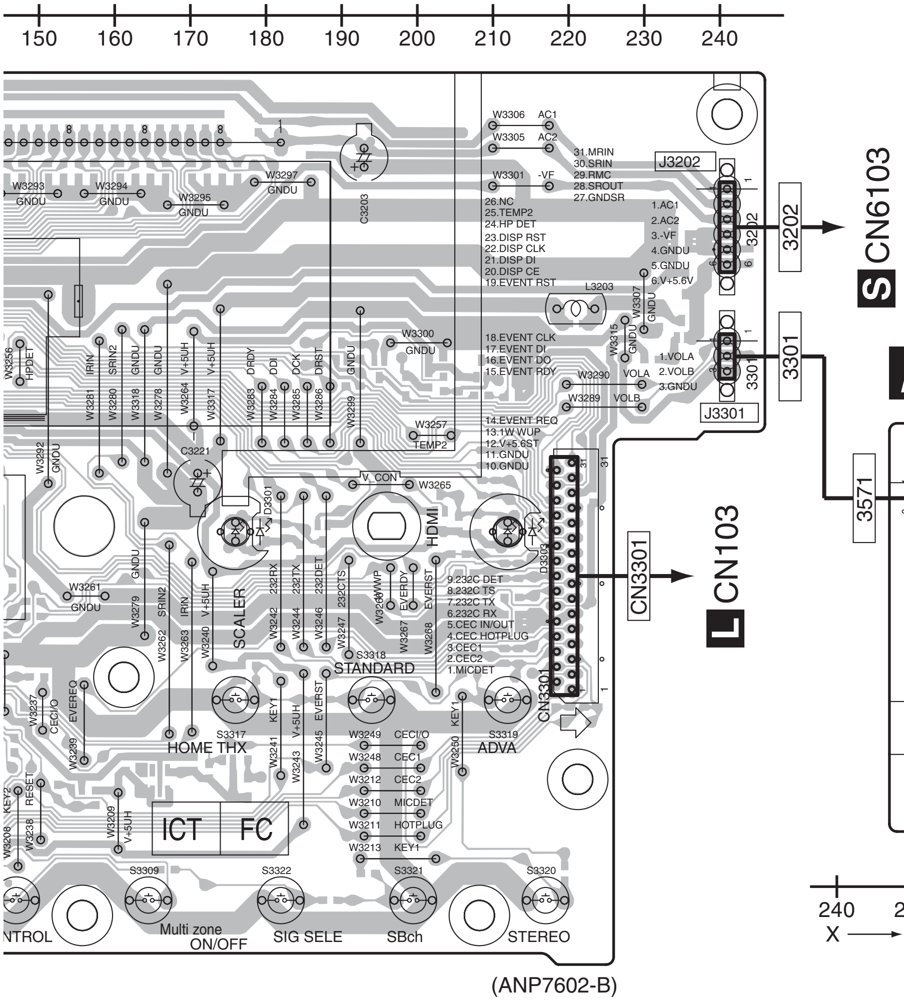
11.19 POWER SW, VOLUME, DISPLAY and INPUT SELECT ASSYS

SIDE A

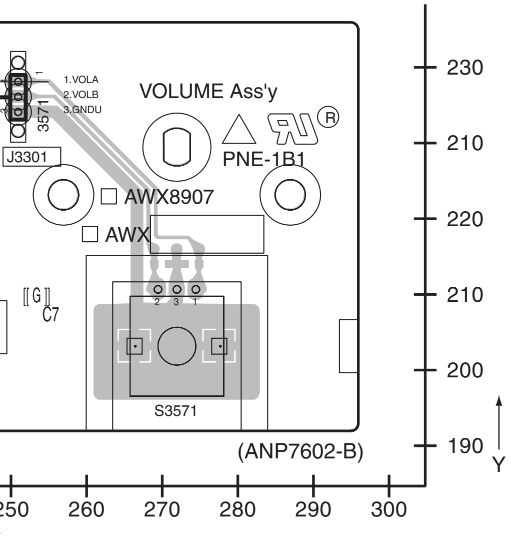

X
Y
DISPLAY Ass'y
☐ AWX8900
☒ AWX8901
☐ AWX
IC3302
C3324
C3231
V3201
J3303
3303
J3302
3302
1.V+5UH
2.STANDBY LED
3.POWER KEY
4.GNDU
1.JOGA
2.JOGB
3.GNDU
CN3201
1.VSS0
2.SI1
3.SO1
4.SCK1
5.NC
6.RESET
7.VDD
8.VPP(IC)
9.NC
D3305
D3307
PHASE
MCACC
X3201
S3314
S3313
S3312
PHASE CON
MCACC
AUTSURR
S3315
SP
S3316
A.PARA
S3302
S3301
V.PARA
S3303
ENTER
S3304
S3305
SETUP
S3308
S3307
S3306
RETURN
123mm
CN3302
1.DBGP2
2.DBGP1
3.DBGP0
4.RESET
5.GNDU
6.NC
7.NC
8.NC
9.NC
PREMIUM
D3309
D3311
D3313
3201
PNE-1B1
S3311
T.EDIT
S3310
BAND
S3323
CONTROL
S3309
X3302
POWER_KEY
HOTPLUG
AC DISPLAY ASSY
3561
INPUT SELECT Ass'y
1.JOGA
2.JOGB
3.GNDU
J3302
☐ AWX8906
☐ AWX
PNE-1B1
S3561
(ANP7602-B)
AD INPUT SELECT ASSY

AC **AD**

SIDE A

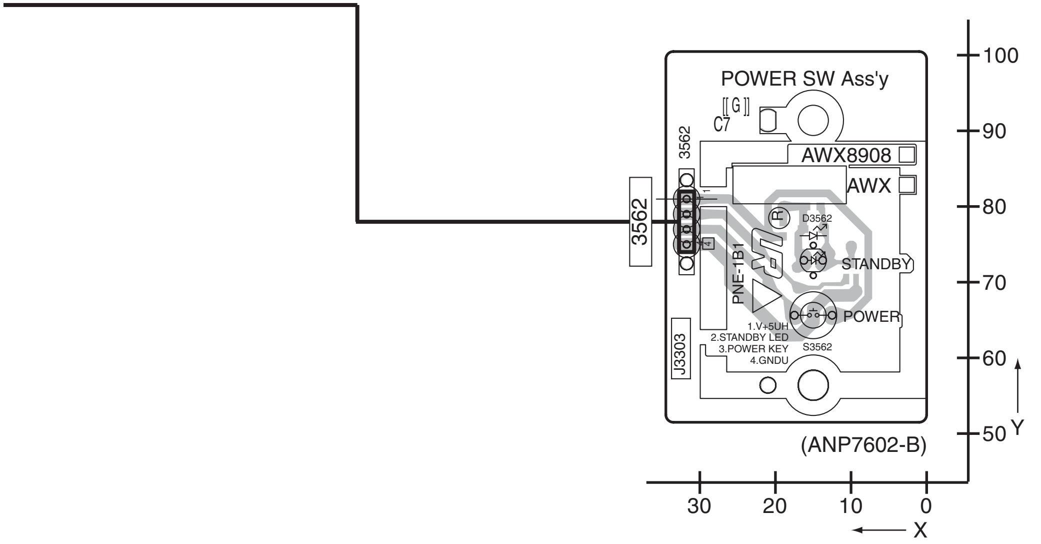

150
160
170
180
190
200
210
220
230
240
J3202
3202
S CN6103
31.MRIN
30.SRIN
29.RMC
28.SROUT
27.GNDSR
26.NC
25.TEMP2
24.HP DET
23.DISP RST
22.DISP CLK
21.DISP DI
20.DISP CE
19.EVENT RST
18.EVENT CLK
17.EVENT DI
16.EVENT DO
15.EVENT RDY
14.EVENT REQ
13.1W WUP
12.V+5.6ST
11.GNDU
10.GNDU
9.232C DET
8.232C TS
7.232C TX
6.232C RX
5.CEC IN/OUT
4.CEC HOTPLUG
3.CEC1
2.CEC2
1.MICDET
1.AC1
2.AC2
3.-VF
4.GNDU
5.GNDU
6.V+5.6V
1.VOLA
2.VOLB
3.GNDU
J3301
3301
CN3301
L CN103
HDMI
SCALER
STANDARD
HOME THX
ADVA
ICT
FC
S3317
S3318
S3319
S3309
S3322
S3321
S3320
Multi zone ON/OFF
SIG SELE
SBch
STEREO
NTROL
3571
(ANP7602-B)

AB VOLUME ASSY


VOLUME Ass'y
1.VOLA
2.VOLB
3.GNDU
J3301
3571
PNE-1B1
☐ AWX8907
☐ AWX
[[G]] C7
S3571
(ANP7602-B)
230
210
220
210
200
190
Y
240
250
260
270
280
290
300
X

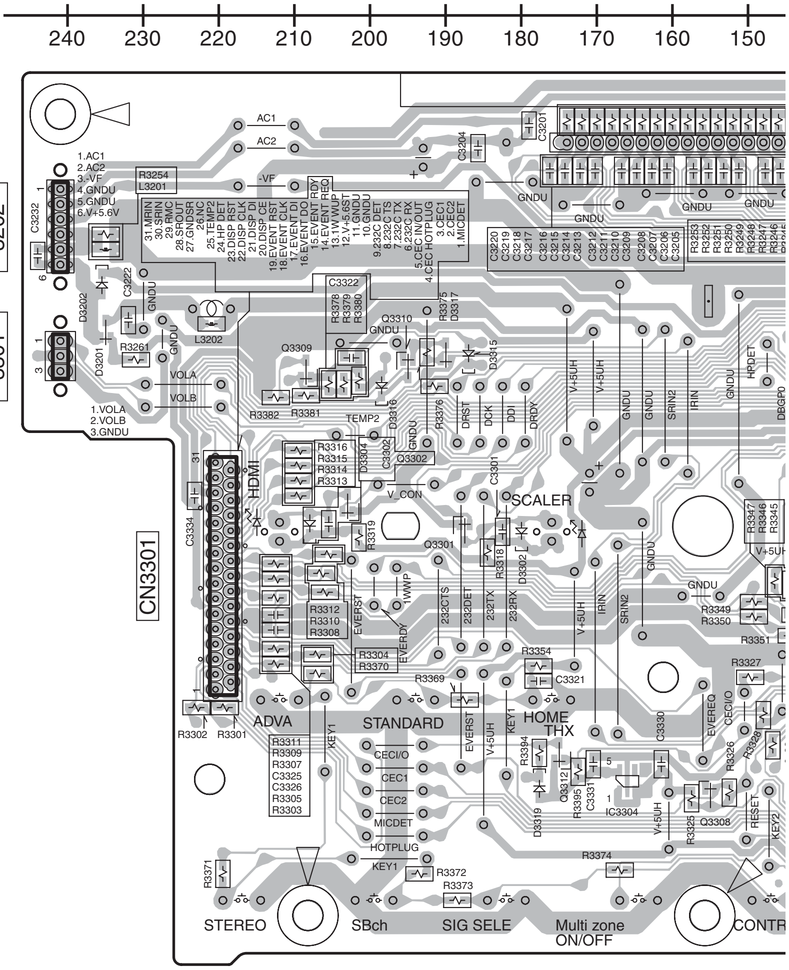
SY

Z POWER SW ASSY

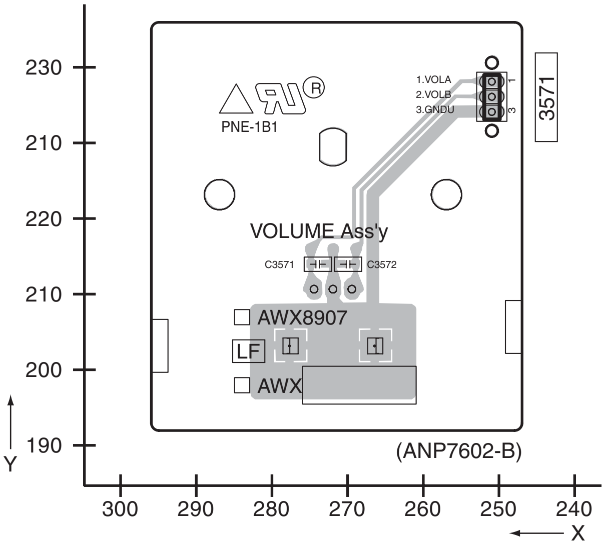

POWER SW Ass'y
[[G]] C7
AWX8908 ☐
AWX ☐
3562
D3562
STANDBY
POWER
PNE-1B1
1.V+5UH
2.STANDBY LED
3.POWER KEY
4.GNDU
S3562
J3303
(ANP7602-B)
100
90
80
70
60
50
Y
30
20
10
0
X

SIDE B

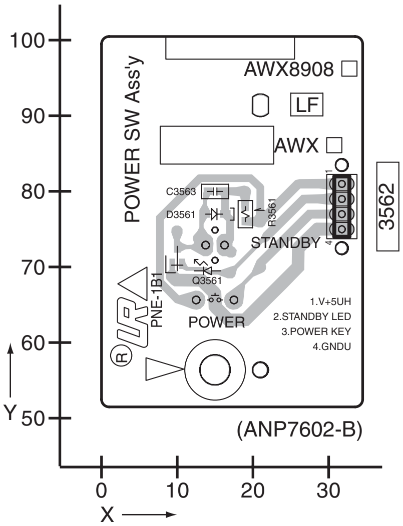
AC DISPLAY ASSY


240
230
220
210
200
190
180
170
160
150
3202
1.AC1
2.AC2
3.-VF
4.GNDU
5.GNDU
6.V+5.6V
AC1
AC2
-VF
R3254
L3201
C3232
C3204
C3201
GNDU
3301
1.VOLA
2.VOLB
3.GNDU
VOLA
VOLB
D3201
D3202
C3222
R3261
L3202
C3322
Q3309
Q3310
R3382
R3381
TEMP2
HDMI
CN3301
C3334
R3316
R3315
R3314
R3313
V_CON
SCALER
Q3301
R3312
R3310
R3308
R3304
R3370
R3369
R3354
C3321
R3302
R3301
ADVA
STANDARD
HOME
THX
R3311
R3309
R3307
C3325
C3326
R3305
R3303
CECI/O
CEC1
CEC2
MICDET
HOTPLUG
KEY1
R3371
R3372
R3373
R3374
IC3304
Q3308
R3349
R3350
R3351
R3327
R3347
R3346
R3345
STEREO
SBch
SIG SELE
Multi zone
ON/OFF
CONTR

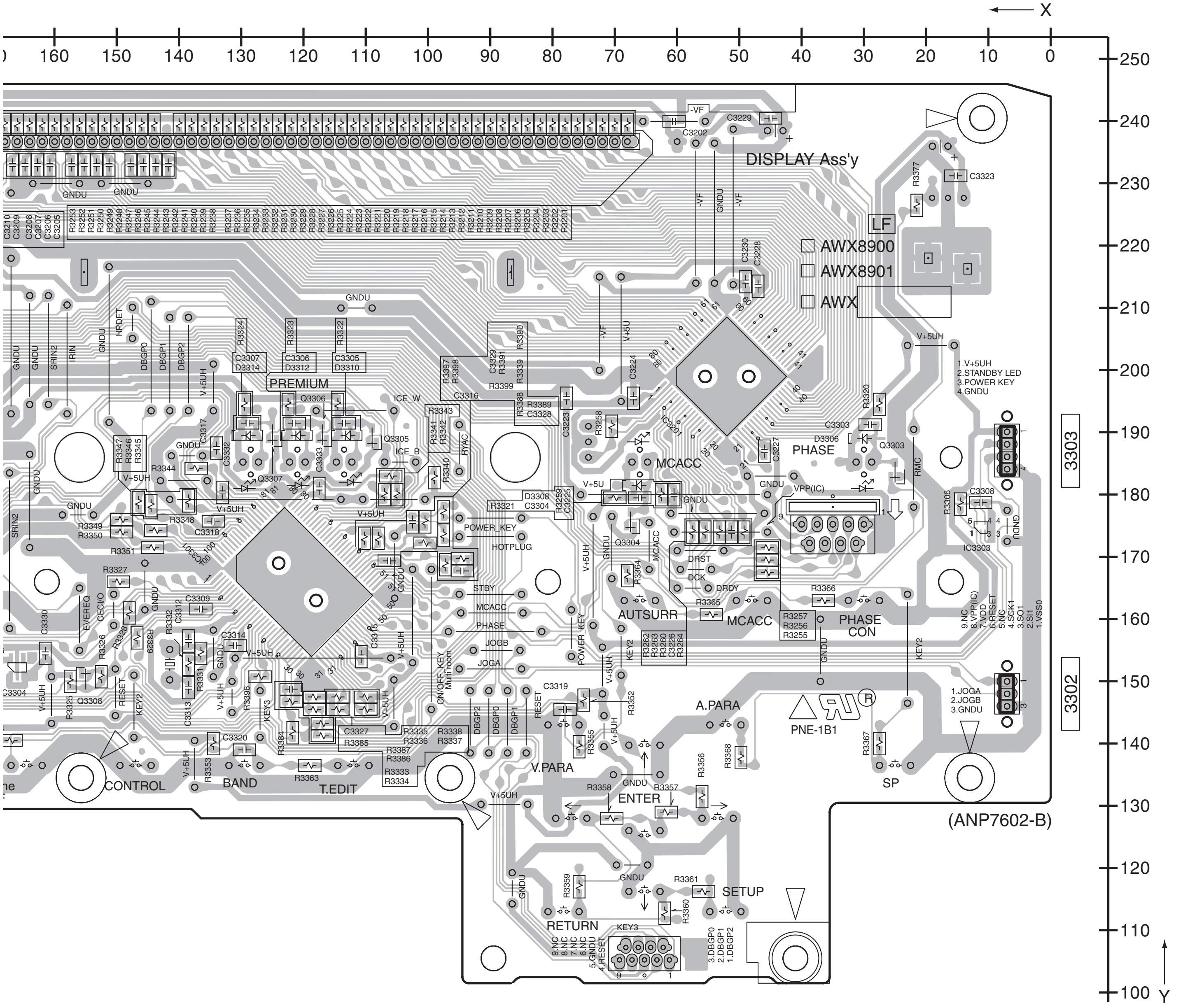
AB VOLUME ASSY


230
210
220
210
200
190
Y
300
290
280
270
260
250
240
X
PNE-1B1
1.VOLA
2.VOLB
3.GNDU
3571
VOLUME Ass'y
C3571
C3572
AWX8907
LF
AWX
(ANP7602-B)

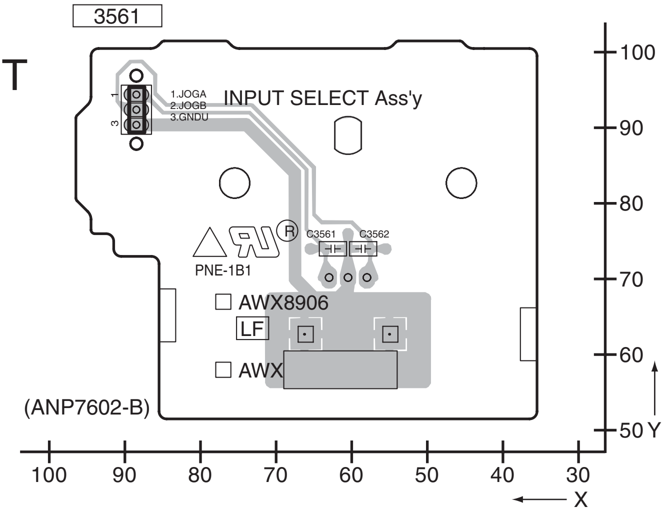
Z POWER SW ASSY


100
90
80
70
60
50
Y
0
10
20
30
X
POWER SW Ass'y
AWX8908
LF
AWX
C3563
D3561
R3561
3562
STANDBY
Q3561
PNE-1B1
POWER
1.V+5UH
2.STANDBY LED
3.POWER KEY
4.GNDU
(ANP7602-B)

SIDE B


DISPLAY Ass'y
LF
☐ AWX8900
☐ AWX8901
☐ AWX
PREMIUM
MCACC
PHASE
AUTSURR
PHASE CON
A.PARA
V.PARA
ENTER
SETUP
RETURN
CONTROL
BAND
T.EDIT
SP
PNE-1B1
3303
3302
1.V+5UH
2.STANDBY LED
3.POWER KEY
4.GNDU
1.JOGA
2.JOGB
3.GNDU
(ANP7602-B)
X
Y
250
240
230
220
210
200
190
180
170
160
150
140
130
120
110
100

AD INPUT SELECT ASSY

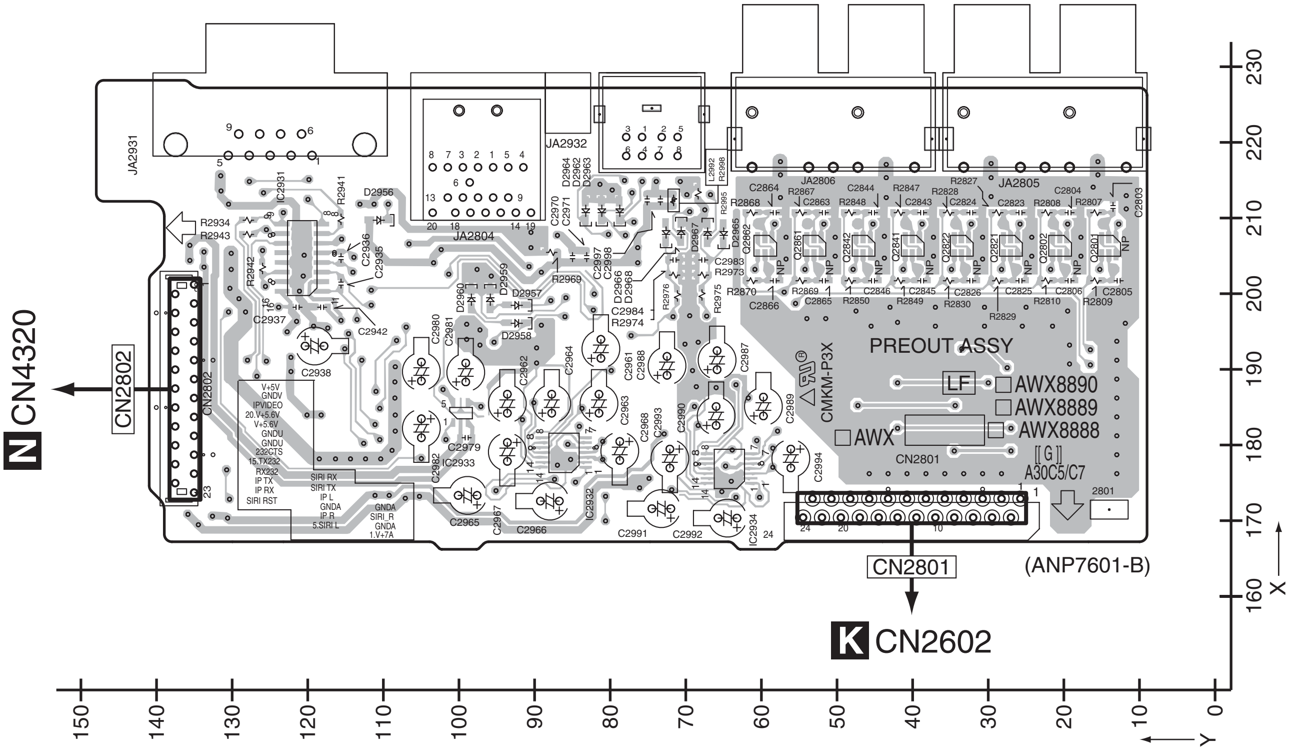

3561
INPUT SELECT Ass'y
1.JOGA
2.JOGB
3.GNDU
C3561
C3562
PNE-1B1
☐ AWX8906
LF
☐ AWX
(ANP7602-B)
X
Y
100
90
80
70
60
50
40
30

AC **AD**

11.20 PREOUT & CONTROL ASSY

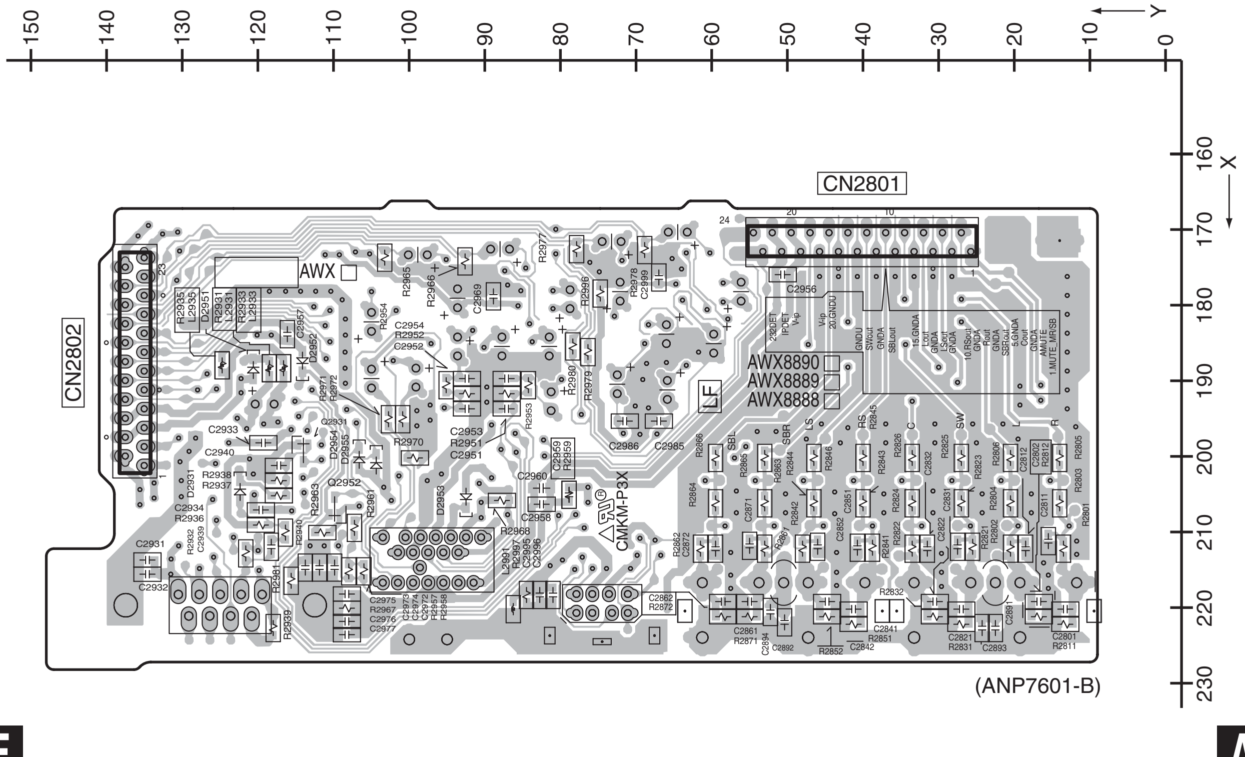
SIDE A **SIDE A**

AE PREOUT & CONTROL ASSY


N CN4320
CN2802
JA2931
JA2804
JA2932
JA2806
JA2805
PREOUT ASSY
CMKM-P3X
LF
AWX8890
AWX8889
AWX8888
AWX
CN2801
[[G]]
A30C5/C7
2801
CN2801
K CN2602
(ANP7601-B)
V+5V
GNDV
IPVIDEO
20.V+5.6V
V+5.6V
GNDU
GNDU
22CTS
15.TX232
RX232
IP TX
IP RX
SIRI RST
SIRI RX
SIRI TX
IP L
GNDA
IP R
5.SIRI L
GNDA
SIRI_R
GNDA
1.V+7A
230
220
210
200
190
180
170
160
X
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y

SIDE B **SIDE B**

AE PREOUT & CONTROL ASSY

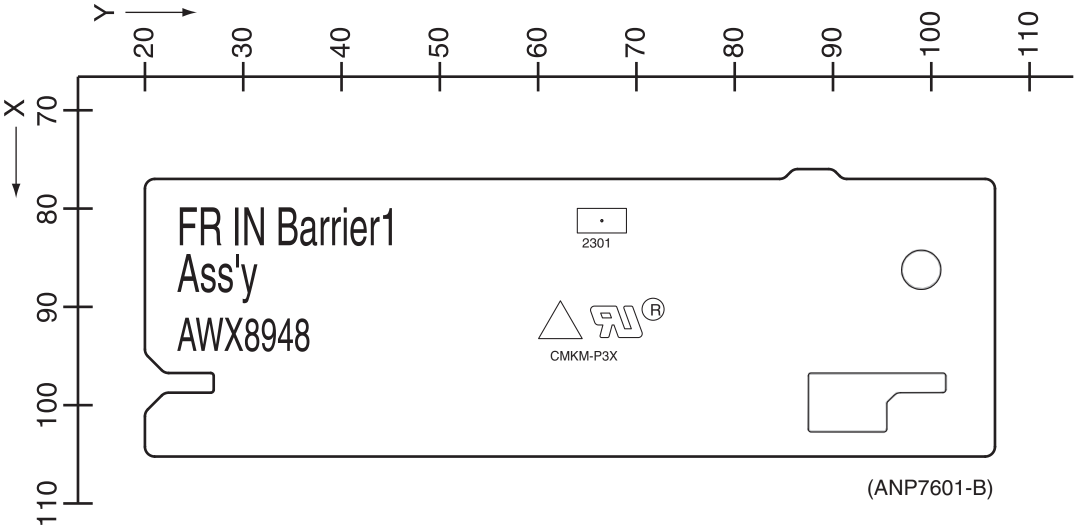

150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
Y
160
170
180
190
200
210
220
230
X
CN2801
CN2802
AWX
AWX8890
AWX8889
AWX8888
LF
CMKM-P3X
(ANP7601-B)

11.21 FR BARRIER 1 ASSY

SIDE A

SIDE A

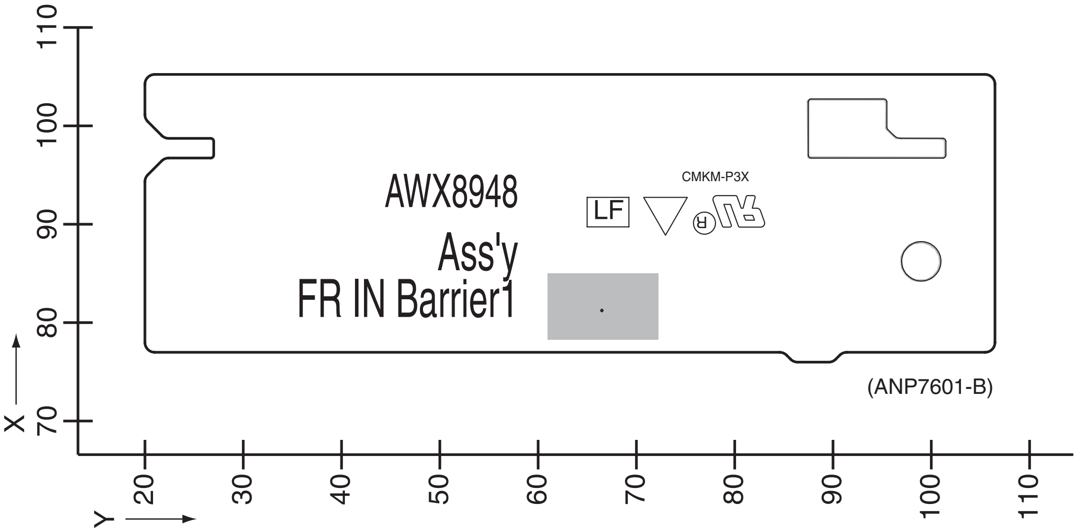
AF FR IN BARRIER 1 ASSY


Y
20
30
40
50
60
70
80
90
100
110
X
70
80
90
100
110
FR IN Barrier1
Ass'y
AWX8948
2301
CMKM-P3X
(ANP7601-B)

SIDE B

SIDE B

AF FR IN BARRIER 1 ASSY

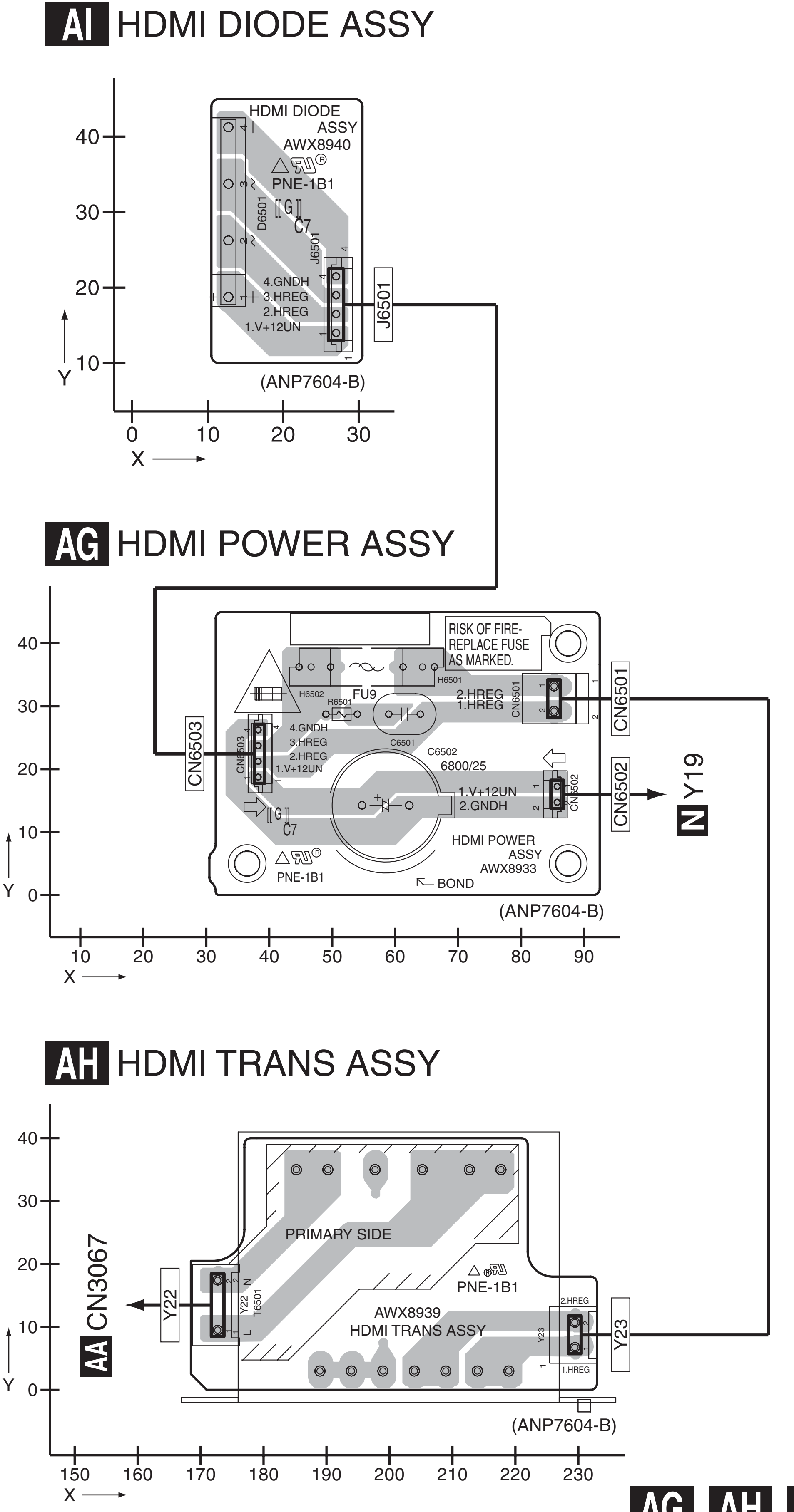

110
100
90
80
70
X
AWX8948
Ass'y
FR IN Barrier1
CMKM-P3X
LF
(ANP7601-B)
20
30
40
50
60
70
80
90
100
110
Y

AF

AF

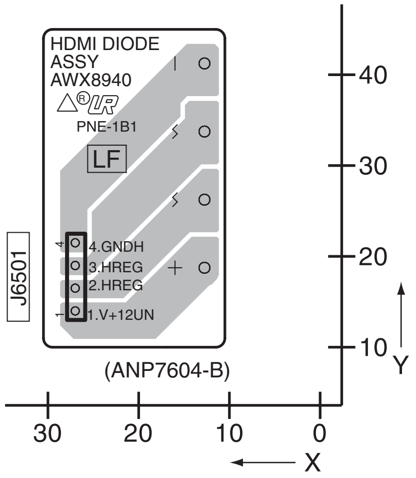
11.22 HDMI POWER, HDMI TRANS and HDMI DIODE ASSYS

SIDE A **SIDE A**

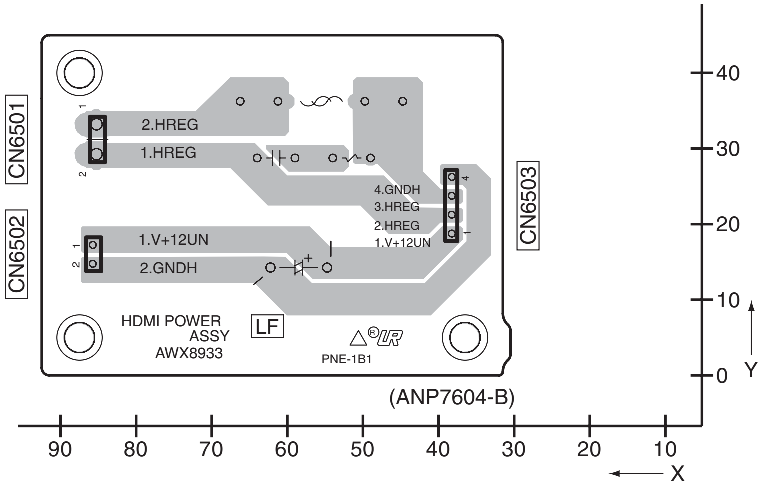

AI HDMI DIODE ASSY
HDMI DIODE ASSY
AWX8940
PNE-1B1
D6501
C7
J6501
4.GNDH
3.HREG
2.HREG
1.V+12UN
(ANP7604-B)
40
30
20
10
Y
0
10
20
30
X
AG HDMI POWER ASSY
RISK OF FIRE-REPLACE FUSE AS MARKED.
H6502
R6501
FU9
H6501
2.HREG
1.HREG
CN6501
CN6503
4.GNDH
3.HREG
2.HREG
1.V+12UN
C6501
C6502
6800/25
1.V+12UN
2.GNDH
CN6502
N Y19
C7
HDMI POWER ASSY
AWX8933
PNE-1B1
BOND
(ANP7604-B)
40
30
20
10
0
Y
10
20
30
40
50
60
70
80
90
X
AH HDMI TRANS ASSY
PRIMARY SIDE
PNE-1B1
AWX8939
HDMI TRANS ASSY
Y22
T6501
N
L
AA CN3067
Y23
2.HREG
1.HREG
(ANP7604-B)
40
30
20
10
0
Y
150
160
170
180
190
200
210
220
230
X

SIDE B **SIDE B**

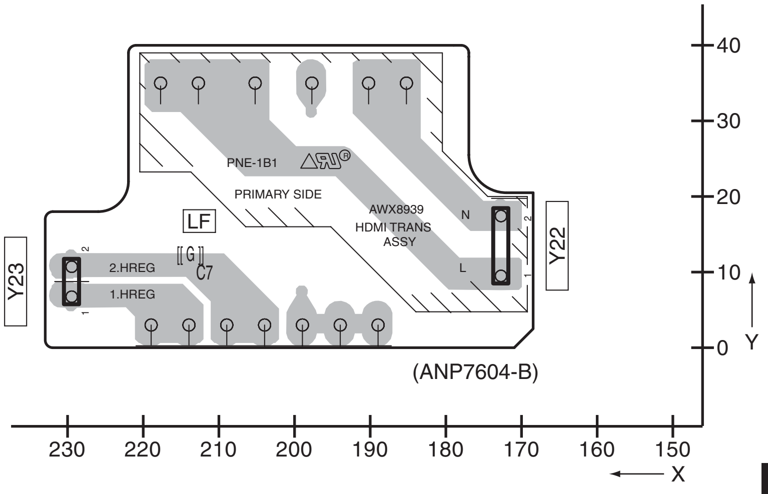
AI HDMI DIODE ASSY


HDMI DIODE
ASSY
AWX8940
PNE-1B1
LF
J6501
4.GNDH
3.HREG
2.HREG
1.V+12UN
4
1
(ANP7604-B)
40
30
20
10
Y
30
20
10
0
X

AG HDMI POWER ASSY


CN6501
2.HREG
1.HREG
1
2
CN6502
1.V+12UN
2.GNDH
4.GNDH
3.HREG
2.HREG
1.V+12UN
4
1
CN6503
HDMI POWER
ASSY
AWX8933
LF
PNE-1B1
(ANP7604-B)
40
30
20
10
0
Y
90
80
70
60
50
40
30
20
10
X

AH HDMI TRANS ASSY


PNE-1B1
PRIMARY SIDE
AWX8939
HDMI TRANS
ASSY
N
L
2
1
Y22
LF
[[G]]
C7
2.HREG
1.HREG
2
1
Y23
(ANP7604-B)
40
30
20
10
0
Y
230
220
210
200
190
180
170
160
150
X

11.23 HDMI & DLNA ASSY (VSX-94TXH)

SIDE A

A

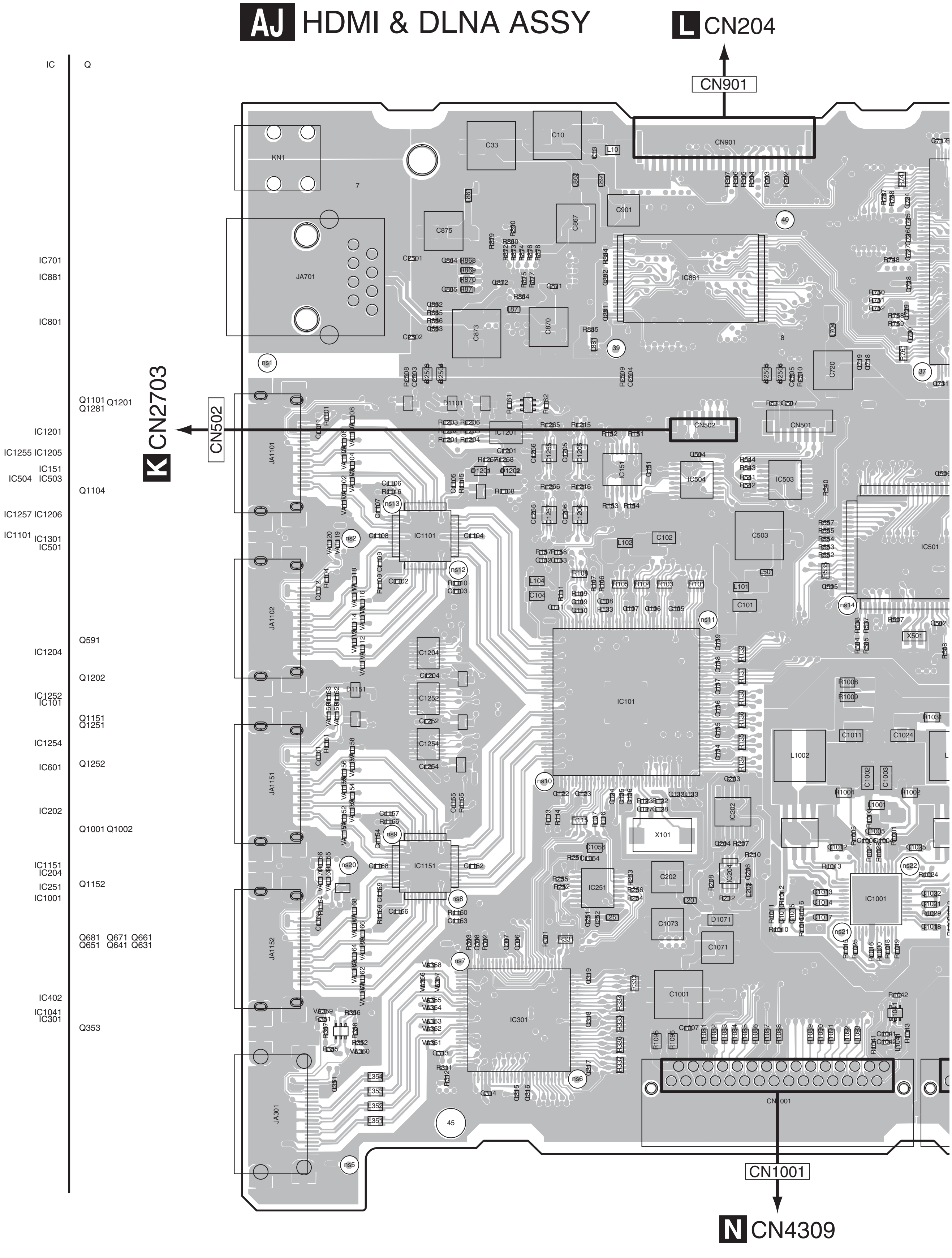
B

C

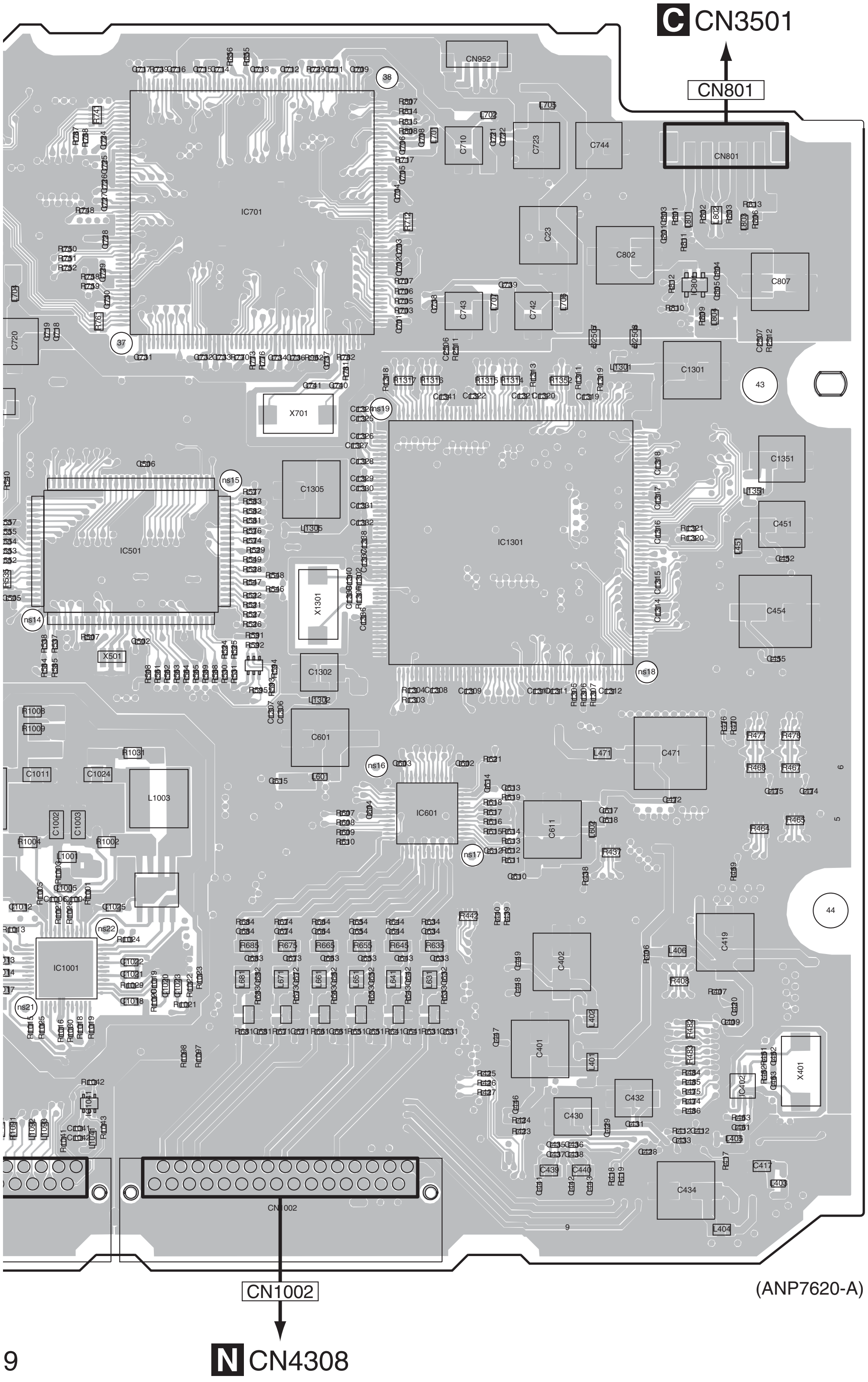
D

E

F


AJ HDMI & DLNA ASSY
L CN204
CN901
K CN2703
CN502
CN1001
N CN4309
IC
Q
IC701
IC881
IC801
Q1101 Q1281 Q1201
IC1201
IC1255 IC1205
IC151
IC504 IC503
Q1104
IC1257 IC1206
IC1101 IC1301
IC501
Q591
IC1204
Q1202
IC1252
IC101
Q1151
Q1251
IC1254
IC601
Q1252
IC202
Q1001 Q1002
IC1151
IC204
IC251
IC1001
Q1152
Q681 Q671 Q661
Q651 Q641 Q631
IC402
IC1041
IC301
Q353
KN1
JA701
JA1101
JA1102
JA1151
JA1152
JA301
IC1101
IC1151
IC101
IC301
IC881
IC501
IC1001
IC1201
IC1204
IC1252
IC1254
IC251
IC202
X101
X501
L1002
C901
C720
C1001
C1073
C1071
CN501

SIDE A


C CN3501
CN801
CN952
IC701
IC1301
IC501
IC601
IC1001
X701
X1301
X501
X401
C1301
C1305
C1351
C451
C454
C471
C601
C611
C402
C401
C419
C430
C432
C434
C802
C807
C744
C723
C710
C743
C742
C720
L1003
CN1002
N CN4308
(ANP7620-A)

9

AJ

SIDE B

A

AJ HDMI & DLNA ASSY

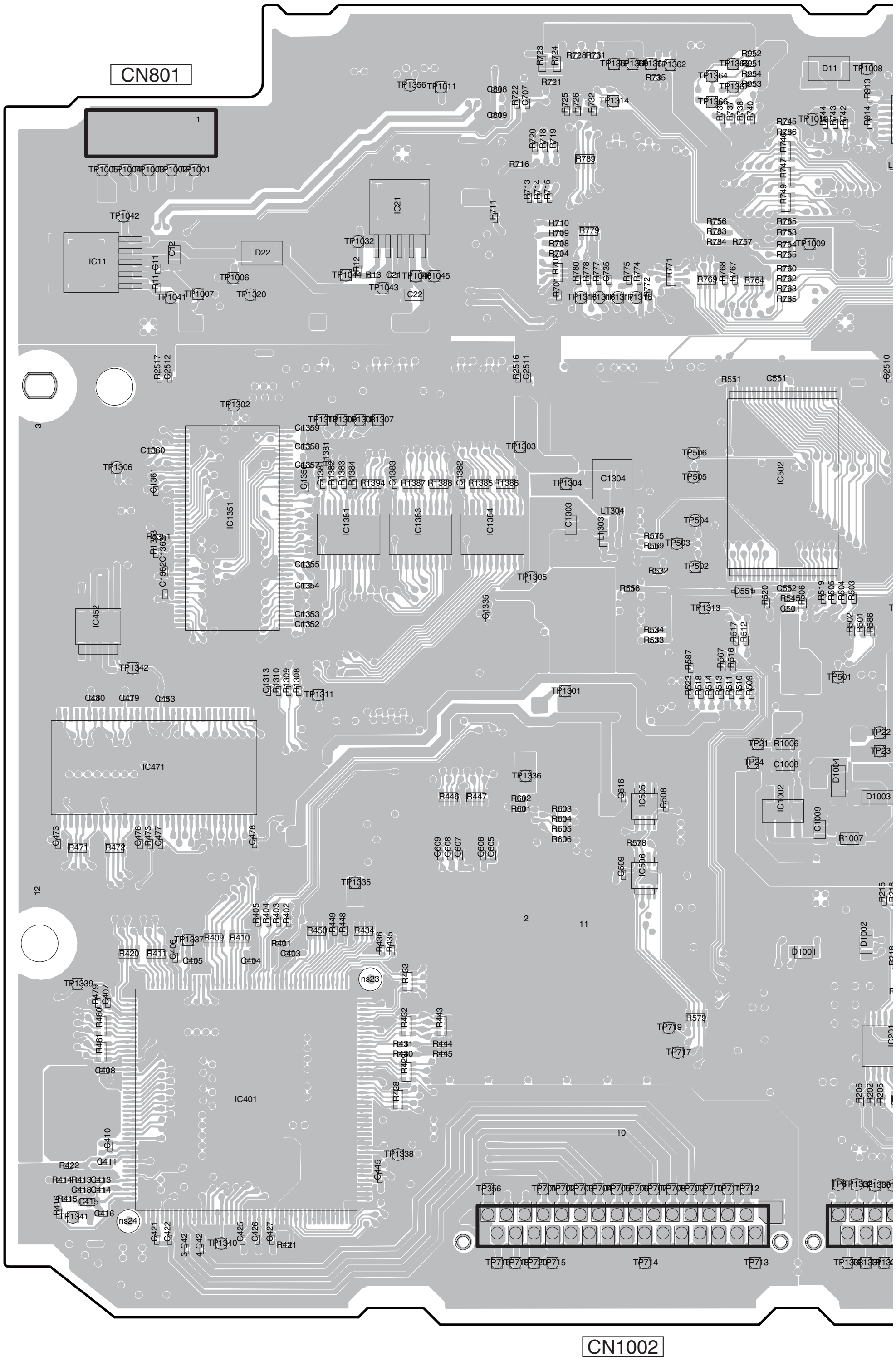
IC	Q
IC31	
IC921 IC911	
IC21 IC891	
IC861	
IC11	
IC1202	Q151 Q1203 Q1253
	Q1103
IC502	
	Q152
IC1351 IC1383 IC1384 IC1381	
	Q1102
IC452	
IC1203	
IC1251 IC471	
IC505 IC1002 IC1253	
IC506	Q1153 Q1154
IC203 IC206	
IC205	
IC207	Q201
IC1051	
	Q1052
IC201	
IC1071	Q1051
	Q301
IC401	
	Q351 Q352

B

C

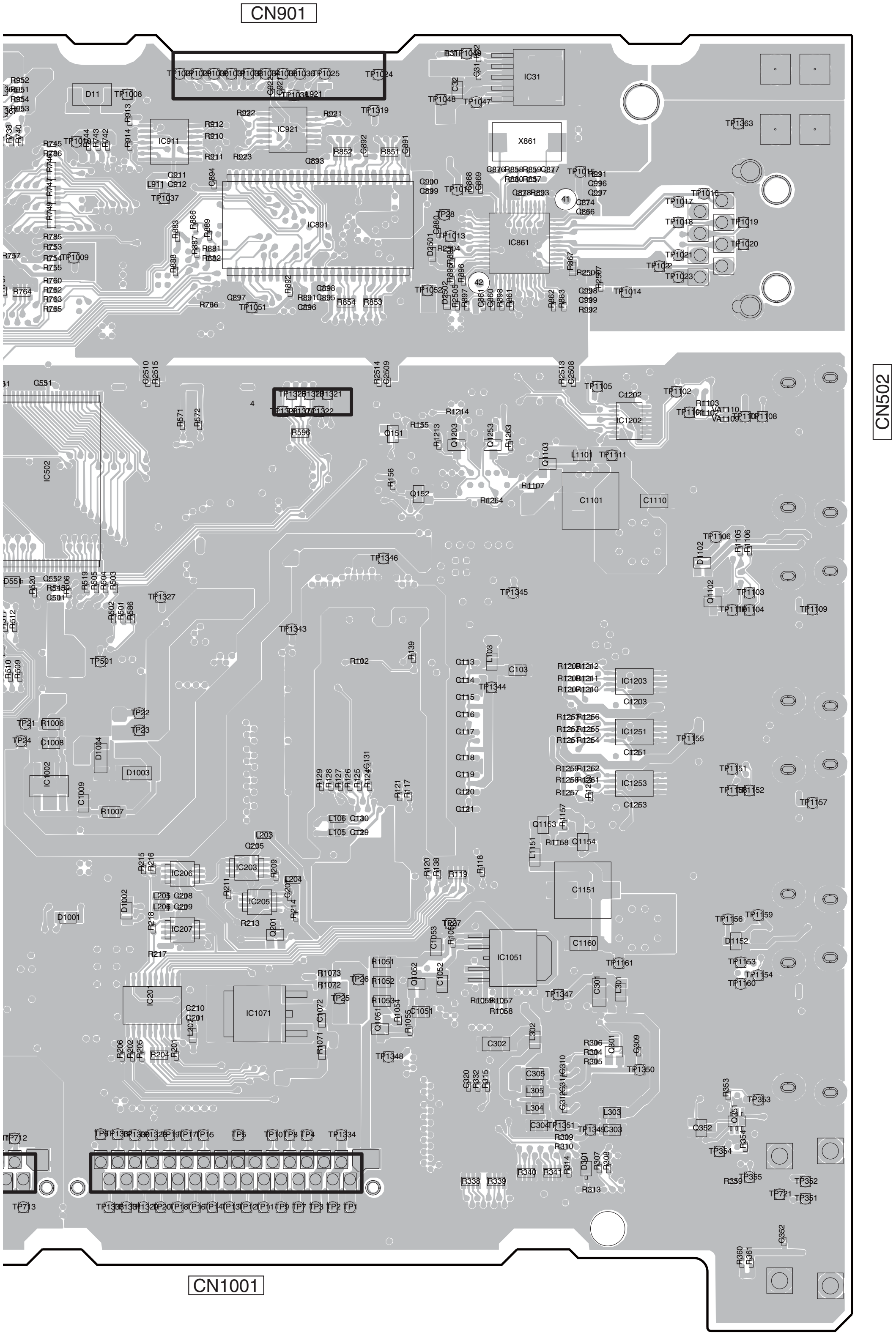
D

E


CN801
1
IC11
D22
IC21
C22
D11
IC1351
IC1381
IC1383
IC1384
C1304
L1304
IC502
D551
IC452
IC471
IC505
IC506
IC1002
D1003
D1004
D1001
D1002
IC401
ns23
ns24
2
3
10
11
12
CN1002

F

SIDE B


CN901
IC31
X861
IC911
IC921
IC891
IC861
CN502
IC1202
C1101
C1110
IC502
IC1203
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IC1253
C1151
C1160
IC1051
IC206
IC203
IC205
IC207
IC201
IC1071
IC1002
D1003
D1001
D11
41
42
CN1001

(ANP7620-A)

11.24 HDMI & DVC ASSY (VSX-92TXH)

SIDE A

A

AK HDMI & DVC ASSY

IC Q

Q1281

B

IC1255

IC151

IC504 IC503

IC1257

IC1204

IC1301

IC501 Q1202

Q591

C

IC1252

IC101

Q1151

Q1251

IC1254

IC601 Q1252

IC202

Q1001 Q1002

D

IC1151

IC204

IC251 Q1152

IC1001

Q631 Q641

Q651 Q661

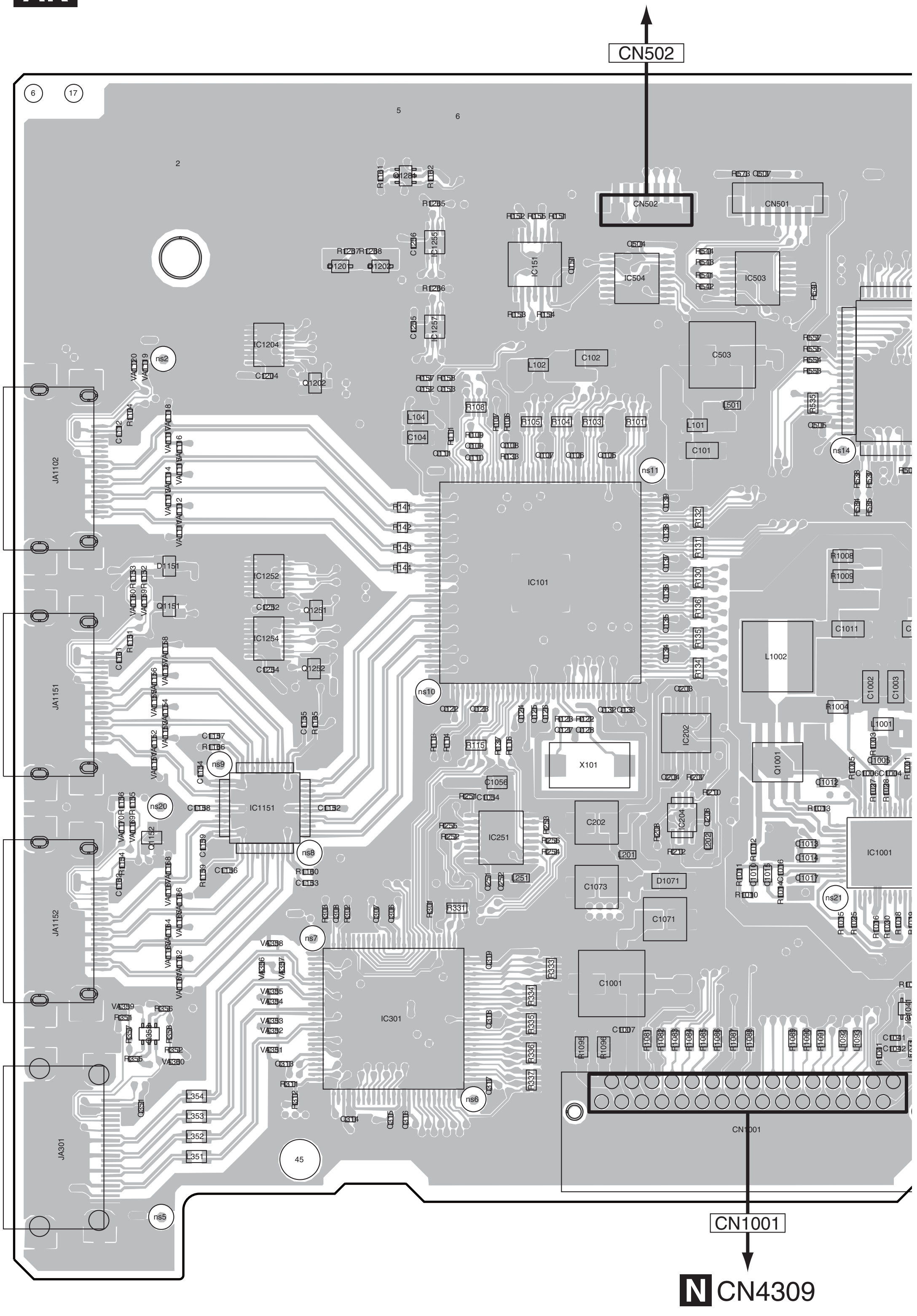
Q671 Q681

IC402

IC1041

IC301 Q353

E

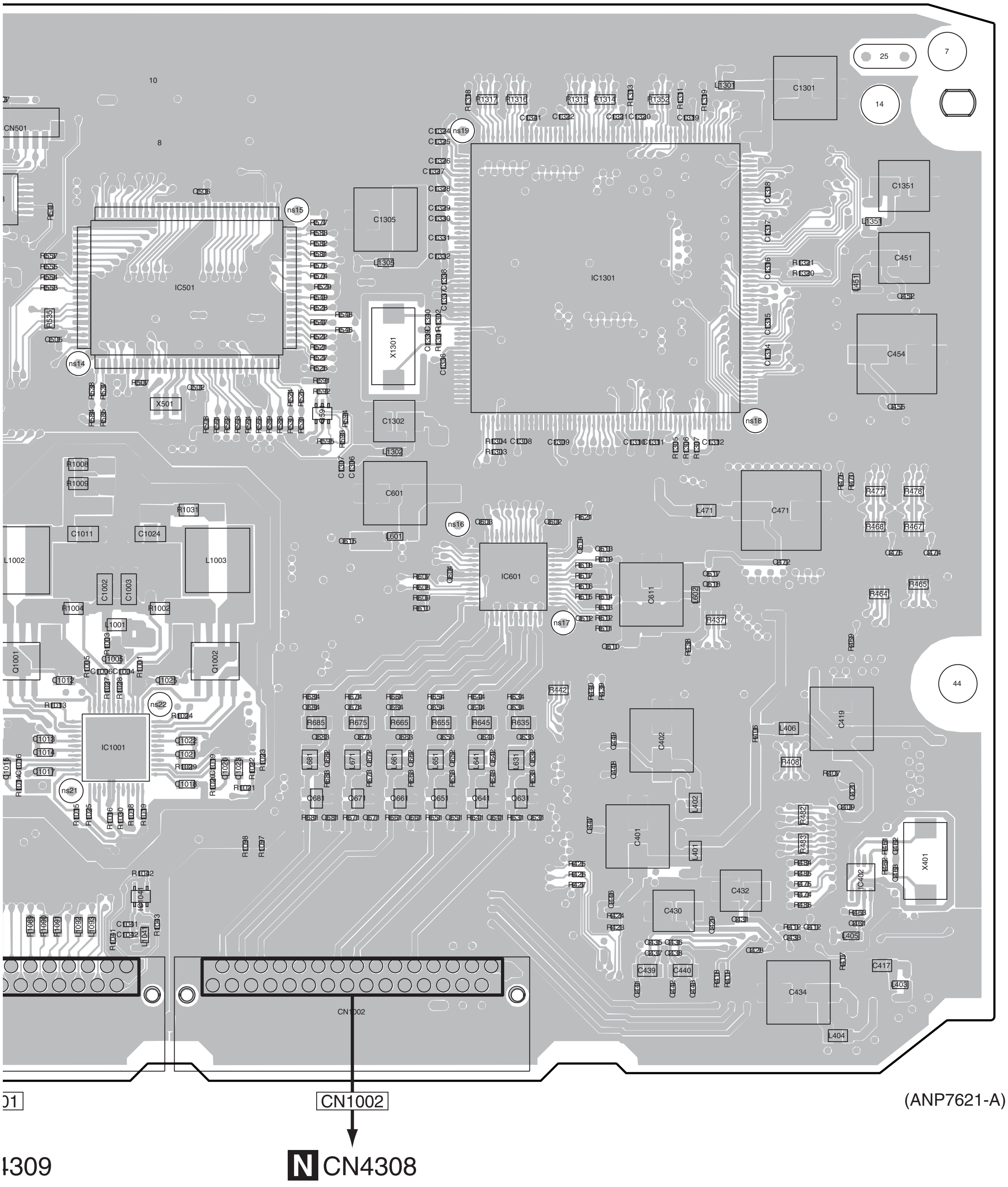


K CN2703
CN502
CN501
CN502
IC151
IC504
IC503
C503
IC1204
ns2
ns11
ns14
JA1102
IC101
IC1252
IC1254
L1002
C1011
C1002
C1003
ns10
JA1151
X101
IC202
Q1001
ns9
IC1151
ns20
ns8
IC251
C202
C1073
D1071
C1071
IC1001
ns21
JA1152
ns7
IC301
C1001
JA301
ns6
CN1001
45
ns5
CN1001
N CN4309

F

AK

SIDE A



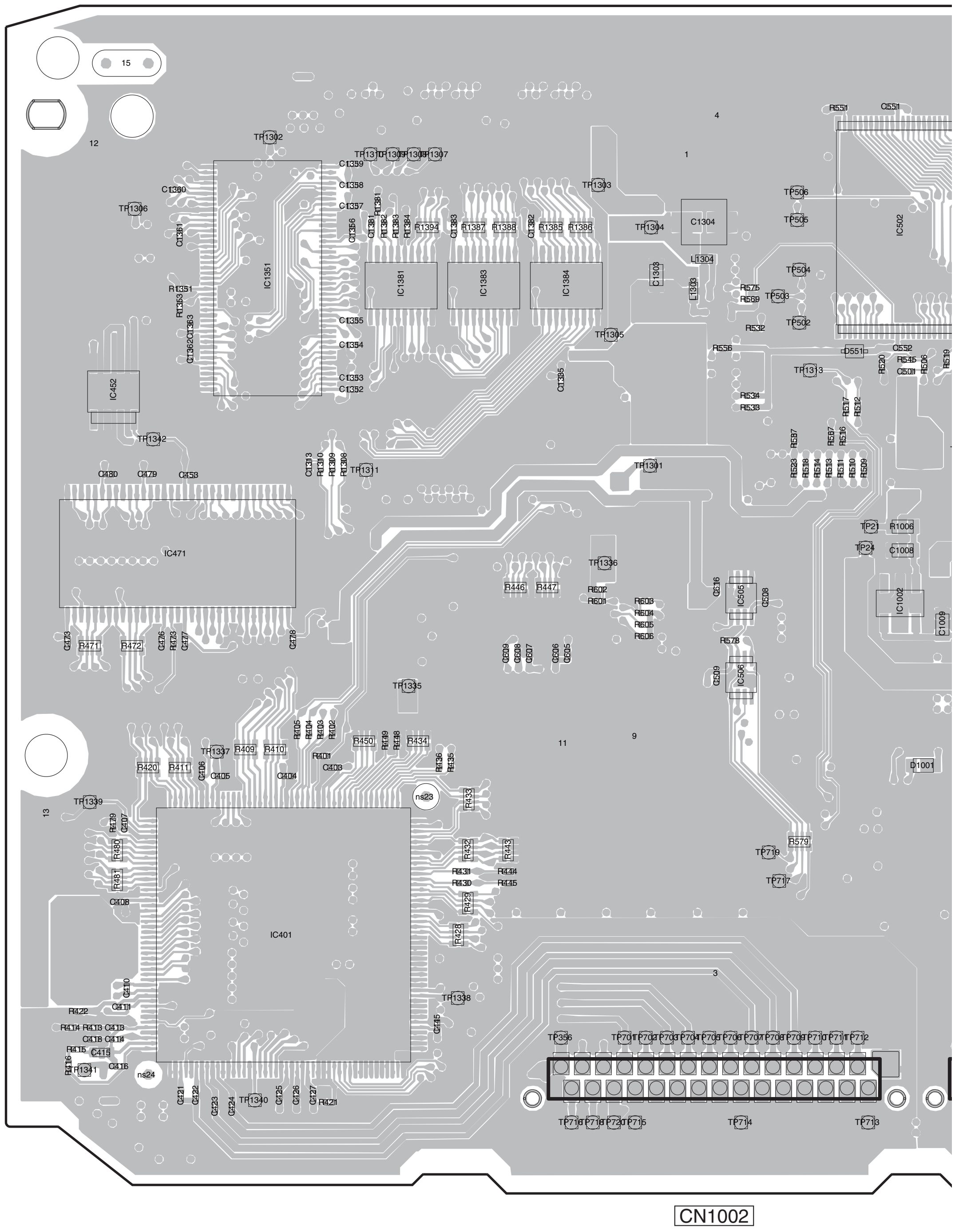
C1301
C1351
C451
C454
C1305
IC501
IC1301
X1301
C1302
X501
C601
IC601
C471
L1002
L1003
C1002
C1003
IC1001
Q1001
Q1002
C611
C402
C401
C419
C432
C430
C434
X401
C439
C440
L406
L404
L401
L402
CN501
R685
R675
R665
R655
R645
R635
CN1002
ns14
ns15
ns16
ns17
ns18
ns19
ns21
ns22
25
7
14
44
10
8
01
CN1002
4309
N CN4308

(ANP7621-A)

SIDE B

AK HDMI & DVC ASSY

IC	Q
	Q1253
IC502	Q152
IC1351 IC1381 IC1383 IC1384 IC1203	
	Q1102
IC452	
IC1251	
IC471	
IC505 IC1253 IC1002	
	Q1153
IC506	Q1154
IC203 IC206	
IC205	
IC207	Q201
IC1051	
	Q1052
IC201 IC1071	
	Q1051
IC401	Q301
	Q351 Q352


IC1351
IC1381
IC1383
IC1384
IC452
IC471
IC401
IC502
IC505
IC506
IC1002
C1304
L1304
D551
D1001
R1006
C1008
C1009
TP21
TP24
TP1301
TP1302
TP1303
TP1304
TP1305
TP1306
TP1311
TP1313
TP1335
TP1336
TP1337
TP1338
TP1339
TP1340
TP1341
TP1342
TP502
TP503
TP504
TP505
TP506
TP356
TP701
TP702
TP703
TP704
TP705
TP706
TP707
TP708
TP709
TP710
TP711
TP712
TP713
TP714
TP715
TP717
TP719
R551
C551
R579
R578
ns23
ns24
CN1002

SIDE B

A

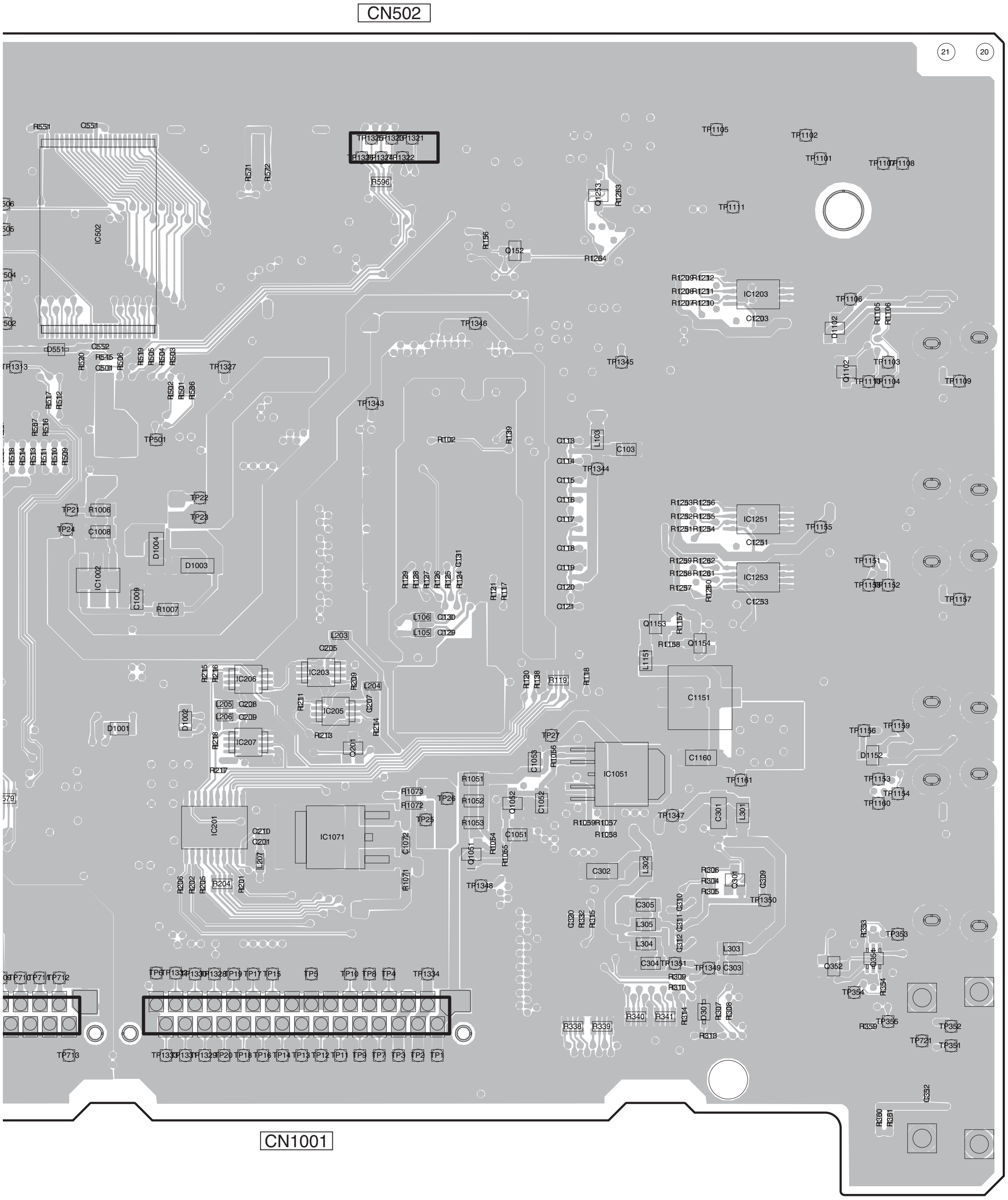
B

C

D

E

F


CN502
21
20
R551
C551
TP1325
TP1323
TP1321
TP1326
TP1324
TP1322
R596
R571
R572
IC502
Q1253
R1263
R156
Q152
R1264
TP1105
TP1102
TP1101
TP1107
TP1108
TP1111
R1209
R1212
R1208
R1211
R1207
R1210
IC1203
C1203
TP1106
D1102
R1105
R1106
TP1346
D551
C552
R545
C501
R520
R506
R519
R505
R504
R503
TP1313
TP1327
R502
R501
R536
R517
R512
TP1345
TP1103
Q1102
TP1110
TP1104
TP1109
TP1343
TP501
R102
R139
C113
L103
C103
C114
TP1344
C115
C116
C117
C118
C119
C120
C121
R1253
R1256
R1252
R1255
R1251
R1254
IC1251
C1251
TP1155
R1259
R1262
R1258
R1261
R1257
R1260
IC1253
C1253
TP1151
TP1153
TP1152
TP1157
TP22
TP23
TP21
R1006
TP24
C1008
D1004
D1003
IC1002
C1009
R1007
R129
R128
R127
R126
R125
R124
C131
R121
R117
L106
C130
L105
C129
Q1153
R1157
R1158
Q1154
L1151
C1151
L203
C205
IC206
IC203
R215
R216
R209
L204
R211
IC205
C207
L205
C208
L206
C209
D1002
D1001
R218
IC207
R213
R214
C201
R217
R120
R138
R119
R118
TP27
C1053
R1056
IC1051
C1160
TP1156
TP1159
D1152
TP1161
TP1153
TP1154
TP1160
IC201
C210
C201
IC1071
R1073
R1072
TP26
TP25
R1051
R1052
R1053
Q1052
C1052
C1051
C1072
Q1051
R1054
R1055
R1059
R1057
R1058
TP1347
C301
L301
C302
L302
R306
R304
R305
C307
C309
TP1350
R206
R202
R205
R204
R201
L207
R1071
TP1348
C330
R332
R315
C305
L305
L304
C310
C311
C312
L303
C304
TP1351
TP1349
C303
R309
R310
R333
TP353
C354
Q352
TP354
R334
TP710
TP711
TP712
TP9
TP1332
TP1330
TP1328
TP19
TP17
TP15
TP5
TP10
TP8
TP4
TP1334
TP713
TP1333
TP1331
TP1329
TP20
TP18
TP16
TP14
TP13
TP12
TP11
TP9
TP7
TP3
TP2
TP1
R338
R339
R340
R341
R314
D301
R307
R308
R313
R359
TP355
TP352
TP721
TP351
C352
R380
R381
CN1001

(ANP7621-A)

AK

12. PCB PARTS LIST

NOTES:
- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J=5%, and K=10%).

560 Ω → 56 x 10^1 → 561 .... RD1/4PU$\boxed{5}\boxed{6}\boxed{1}$J
47k Ω → 47 x 10^3 → 473 .... RD1/4PU$\boxed{4}\boxed{7}\boxed{3}$J
0.5 Ω → R50 .... RN2H$\boxed{R}\boxed{5}\boxed{0}$K
1 Ω → 1R0 .... RS1P$\boxed{1}\boxed{R}\boxed{0}$K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62k Ω → 562 x 10^1 → 5621 .... RN1/4PC$\boxed{5}\boxed{6}\boxed{2}\boxed{1}$F

- *Meaning of the figures and others in the parentheses in the parts list.*

Example) IC 301 is on the point (face A, 91 of x-axis, and 111 of y-axis) of the corresponding PC board.

IC 301 (A, 91, 111) IC NJM2068V

LIST OF ASSEMBLIES

Mark	Symbol and Description	VSX-94TXH/ KUXJ/CA	VSX-92TXH/ KUXJ/CA
NSP	1..POWER AMP ASSY	AWH7011	AWH7011
	2..POWER AMP-L ASSY	AWX8654	AWX8654
	2..POWER AMP-R ASSY	AWX8656	AWX8656
	2..POWER PROTECT ASSY	AWX8658	AWX8658
	2..POWER AMP IN ASSY	AWX8662	AWX8662
NSP	1..COMPLEX ASSY	AWM8081	AWM8086
	2..TRANS 2-2 ASSY	AWX8891	AWX8891
	2..PRIMARY ASSY	AWX8894	AWX8894
NSP	2..FFC GUARD (FRONT) ASSY	AWX8899	AWX8899
	2..DISPLAY ASSY	AWX8900	AWX8900
	2..FRONT-IN ASSY	AWX8902	AWX8903
	2..HEADPHONE ASSY	AWX8905	AWX8905
	2..INPUT SELECT ASSY	AWX8906	AWX8906
	2..VOLUME ASSY	AWX8907	AWX8907
	2..POWER SW ASSY	AWX8908	AWX8908
	1..DIGITAL MOTHER ASSY	AWP7046	AWP7052
NSP	1..VIDEO ASSY	AWQ7051	AWQ7051
	2..COMPOSITE V ASSY	AWX8884	AWX8884
	2..S VIDEO ASSY	AWX8886	AWX8886
	2..PREOUT & CONTROL ASSY	AWX8888	AWX8888
NSP	2..FR IN BARRIER1 ASSY	AWX8948	AWX8948
	1..COMPONENT & VOL ASSY	AWQ7041	AWQ7046
NSP	1..SECONDARY ASSY	AWR7053	AWR7057
	2..SP/PS ASSY	AWX8909	AWX8911
	2..TRANS 2-1 ASSY	AWX8913	AWX8913
NSP	2..DIODE ASSY	AWX8915	AWX8915
	2..VH TR ASSY	AWX8916	AWX8916
	2..DC/DC ASSY	AWX8917	AWX8918
	2..INTERFACE ASSY	AWX8919	AWX8919
NSP	2..TRANS SIDE ASSY	AWX8921	AWX8921
NSP	1..AUDIO ASSY	AWR7061	AWR7061
	2..LOCAL SUPPLY ASSY	AWX8923	AWX8923
	2..AUDIO & MULTI CH IN ASSY	AWX8926	AWX8926
	2..V-AUDIO ASSY	AWX8930	AWX8930
NSP	2..HDMI POWER ASSY	AWX8933	AWX8933
NSP	2..BRIDGE 1 ASSY	AWX8934	AWX8934
NSP	2..BRIDGE 2 ASSY	AWX8935	AWX8935
NSP	2..BRIDGE 3 ASSY	AWX8936	AWX8936
NSP	2..FFC GUARD (SIDE) ASSY	AWX8937	AWX8937
	2..HDMI TRANS ASSY	AWX8939	AWX8939

Mark	Symbol and Description	VSX-94TXH/ KUXJ/CA	VSX-92TXH/ KUXJ/CA
	2..HDMI DIODE ASSY	AWX8940	AWX8940
	1..DSP ASSY	AWX8869	AWX8869
	1..HDMI & DLNA ASSY	AWX8870	Not used
	1..HDMI & DVC ASSY	Not used	AWX8871
	1..FM/AM TUNER MODULE	AXX7250	AXX7250

CONTRAST OF PCB ASSEMBLIES

C FRONT-IN ASSY

AWX8902 and AWX8903 are constructed the same except for the following:

Mark	Symbol and Description	AWX8902	AWX8903
	D3502,D3504	UMZU6.2N-TLB	Not used
	C3503	CKSRYB104K16	Not used
	R3501-R3509	RS1/16S0R0J	Not used
	R3510	RS1/16S222J	Not used
	R351, R3512	RS1/16S0R0J	Not used
	CN3501 5P Plug	KM200NA5	Not used
	JA3501 USB Connector	XKP3086	Not used
	3501 PCB Binder	VEF1040	Not used

K COMPONENT & VOL ASSY

AWQ7041 and AWQ7046 are constructed the same except for the following:

Mark	Symbol and Description	AWQ7041	AWQ7046
	IC2631, IC2635	TC4053BFN	Not used
	IC2633, IC2634	BA4560RF	Not used
	Q2630, Q2632, Q2633	RT1N241M	Not used
	C2631, C2632	CKSRYB103K50	Not used
	C2639, C2640, C2643, C2644	CCSRCH220J50	Not used
	C2641, C2642	CKSRYB103K50	Not used
	C2645, C2645	CEAT100M50	Not used
	C2647, C2648, C2651, C2652	CKSRYB103K50	Not used
	R2641, R2642, R2653, R2654	RS1/16S472J	Not used
	R2643, R2644	RS1/16S101J	Not used
	R2645, R2646, R2651, R2652	RS1/16S113J	Not used
	R2647, R2648	RS1/16S0R0J	Not used
	R2649, R2650	RS1/16S153J	Not used
	R2655, R2656	RS1/16S474J	Not used
	R2659-R2662	Not used	RS1/16S0R0J
	R2690-R2692	RS1/16S473J	Not used

L DIGITAL MOTHER ASSY

AWP7046 and AWP7052 are constructed the same except for the following:

Mark	Symbol and Description	AWP7046	AWP7052
	IC901	AK4387ET	Not used
	IC307	TC74LCX157FTS1	Not used
	IC315	TC74LCX541FTS1	Not used
	IC902	BA4560RF	Not used
	L307, L315, L901	QTL1013	Not used
	C307, C919, C917, C920	CKSRYB104K16	Not used
	C331, C346	CKSSYB104K10	Not used
	C332	CKSSYB471K50	Not used
	C903, C904	CCSRCH391J50	Not used
	C905, C906, C921, C922	CKSRYB103K50	Not used
	C907, C908	CEAT100M50	Not used
	C909, C910	CCSRCH471J50	Not used

Mark	Symbol and Description	AWP7046	AWP7052
	C916, C918	CEAT470M16	Not used
	C901	CEAT220M50	Not used
	C902	CEAT220M50	Not used
	R104, R126, R127, R130, R137, R250	RS1/16S104J	Not used
	R129, R136, R313, R349, R555, R915	RS1/16SS101J	Not used
	R152, R154	RS1/16S473J	Not used
	R153	Not used	RS1/16S473J
	R351, R355, R358, R361, R400, R433	RS1/16SS470J	Not used
	R352, R356, R359, R922	RS1/16S0R0J	Not used
	R353, R655, R755, R916, R918	RS1/16SS101J	Not used
	R362, R557, R756, R757, R556, R656	RS1/16SS0R0J	Not used
	R434, R435, R436	RS1/16SS470J	Not used
	R657, R917	RS1/16SS0R0J	Not used
	R901, R902	RS1/16S223J	Not used
	R903, R904	RS1/16S302J	Not used
	R905, R906	RS1/16S392J	Not used
	R907-R910	RS1/16S332J	Not used
	R911, R912	RS1/16S221J	Not used
	R913, R914	RS1/16S474J	Not used
	R920	RS1/16S4R7J	Not used
	R125, R919	RAB4CQ101J	Not used
	R437	RAB4CQ470J	Not used
	JA207 Optical Transmit Module	AKS7002	Not used
	CN204 22P FFC Connector	RKN1063	Not used

T DC/DC ASSY

AWX8917 and AWX8918 are constructed the same except for the following:

Mark	Symbol and Description	AWX8917	AWX8918
	L4271	ATH7044	ATH7052
	C4272	CEAT103M16	CEAT682M25
	C4273	CEHAZL102M6R3	CEHAZL331M6R3
	C4274	CEHAZL102M16	CEHAZL471M25

X SP/PS ASSY

AWX8909 and AWX8911 are constructed the same except for the following:

Mark	Symbol and Description	AWX8909	AWX8911
	C4101, C4102	ACH7258	ACH7255

PCB PARTS LIST FOR VSX-94TXH UNLESS OTHER WISE NOTED

POWER AMP ASSY (AWH7011)

MISCELLANEOUS

Mark	No.	Description	Part No.
J	13	JUMPER WIRE	D20PDY0525E
Y	1	LEAD WITH HOUSING	ADX7459
Y	6	LEAD WITH HOUSING	ADX7498
Y	2	LEAD WITH HOUSING	ADX7457
Y	3	LEAD WITH HOUSING	ADX7458
Y	4	LEAD WITH HOUSING	ADX7460
Y	5	LEAD WITH HOUSING	ADX7404

COMPLEX ASSY (AWM8081)

MISCELLANEOUS

Mark	No.	Description	Part No.
J	3301	3P JUMPER WIRE	D20PDD0310E
J	3302	3P JUMPER WIRE	D20PDD0315E
J	3303	4P JUMPER WIRE	D20PDD0415E
⚠ Y	15	AWG18 BOARD IN	ADX7491
⚠ Y	14	AWG18 BOARD IN	ADX7604

SECONDARY ASSY (AWR7053)

MISCELLANEOUS

Mark	No.	Description	Part No.
Y	8	AWG14 BOARD IN	ADX7451
Y	9	AWG14 BOARD IN	ADX7488
Y	10	AWG14 BOARD IN	ADX7489
Y	11	AWG14 BOARD IN	ADX7454
Y	12	AWG14 BOARD IN	ADX7455

FFC GUARD (FRONT) ASSY (AWX8899)

MISCELLANEOUS

Mark	No.	Description	Part No.
	3152(A,322,161)	PCB BINDER	VEF1040
	3151(A,302,132)	PCB BINDER	VEF1040

FFC GUARD (SIDE) ASSY (AWX8937)

MISCELLANEOUS

Mark	No.	Description	Part No.
	5862(A,175,32)	PCB BINDER	VEF1040
	5861(A,170,77)	PCB BINDER	VEF1040

A AUDIO & MULTI CH IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	6201(B,71,191)	AUDIO IC	BD3841FS
IC	6203(B,130,185)	OP-AMP IC	BA4560RF
JA	6401(A,14,230)	JACK	AKN-209
CN	6202(A,20,178)	17P SOCKET	XKP3079
CN	6203(A,109,174)	23P SOCKET	XKP3082
CN	6204(A,66,174)	15P SOCKET	XKP3078
CN	6205(A,133,230)	PIN JACK(4P)	AKB7172
CN	6207(A,91,230)	PIN JACK(4P)	AKB7172
CN	6208(A,63,230)	PIN JACK(4P)	AKB7172
CN	6209(A,35,230)	PIN JACK(4P)	AKB7172
	6201(A,141,173)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	6201(B,122,215)		RS1/16S473J
R	6202(B,126,215)		RS1/16S473J
R	6205(B,96,215)		RS1/16S104J
R	6206(B,100,215)		RS1/16S104J
R	6207(B,82,215)		RS1/16S473J
R	6208(B,86,215)		RS1/16S473J
R	6209(B,68,215)		RS1/16S223J
R	6210(B,72,215)		RS1/16S223J
R	6211(B,54,215)		RS1/16S474J
R	6212(B,58,215)		RS1/16S474J
R	6213(B,41,215)		RS1/16S474J
R	6214(B,45,215)		RS1/16S474J
R	6215(B,27,213)		RS1/16S474J
R	6216(B,31,213)		RS1/16S474J
R	6217(B,119,214)		RS1/16S331J
R	6218(B,128,214)		RS1/16S331J
R	6221(B,93,214)		RS1/16S222J
R	6222(B,102,214)		RS1/16S222J
R	6223(B,79,214)		RS1/16S331J
R	6224(B,88,214)		RS1/16S331J
R	6225(B,65,214)		RS1/16S331J
R	6226(B,74,214)		RS1/16S331J
R	6227(B,52,214)		RS1/16S331J
R	6228(B,61,214)		RS1/16S331J
R	6229(B,38,214)		RS1/16S331J
R	6230(B,47,214)		RS1/16S331J
R	6231(B,24,212)		RS1/16S331J
R	6232(B,33,212)		RS1/16S331J
R	6237(B,96,204)		RS1/16S154J
R	6238(B,100,204)		RS1/16S154J
R	6251(B,135,212)		RS1/16S104J
R	6252(B,139,212)		RS1/16S104J
R	6253(B,134,209)		RS1/16S331J
R	6254(B,140,209)		RS1/16S331J
R	6255(B,136,192)		RS1/16S104J
R	6256(B,141,181)		RS1/16S104J
R	6257(B,136,188)		RS1/16S561J
R	6258(B,136,182)		RS1/16S561J
R	6259(B,132,196)		RS1/16S394J
R	6260(B,134,177)		RS1/16S394J
R	6261(B,124,196)		RS1/16S303J
R	6262(B,126,177)		RS1/16S303J
R	6263(B,122,196)		RS1/16S471J
R	6264(B,124,177)		RS1/16S471J
R	6265(B,117,191)		RS1/16S224J
R	6266(B,115,176)		RS1/16S224J
R	6267(B,46,190)		RS1/16S101J
R	6268(B,48,190)		RS1/16S101J
R	6269(B,84,195)		RS1/16S0R0J
R	6270(B,84,193)		RS1/16S0R0J
R	6271(B,102,191)		RS1/16S473J
R	6272(B,100,191)		RS1/16S473J
R	6273(B,97,191)		RS1/16S473J
R	6274(B,95,191)		RS1/16S473J
R	6282(B,112,203)		RS1/16S105J
R	6283(B,110,203)		RS1/16S105J
R	6286(B,38,172)		RS1/16S0R0J
R	6287(B,83,178)		RS1/16S0R0J
R	6299(B,36,198)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	6237(A,95,207)		CEAT100M50
C	6238(A,101,207)		CEAT100M50

A B C D E F

Mark	No.	Description	Part No.
C	6243(A,53,207)	ELECT. CAPACITOR	CEAT470M25
C	6244(A,60,207)	ELECT. CAPACITOR	CEAT470M25
C	6245(A,39,207)	ELECT. CAPACITOR	CEAT470M25
C	6246(A,47,207)	ELECT. CAPACITOR	CEAT470M25
C	6247(A,26,205)	ELECT. CAPACITOR	CEAT470M25
C	6248(A,32,205)	ELECT. CAPACITOR	CEAT470M25
C	6251(A,134,201)		CEAT100M50
C	6252(A,140,201)		CEAT100M50
C	6255(A,139,189)		CEAT470M16
C	6256(A,139,181)		CEAT470M16
C	6259(B,130,196)		CKSRYB822K50
C	6260(B,132,177)		CKSRYB822K50
C	6261(B,128,196)		CKSRYB122K50
C	6262(B,130,177)		CKSRYB122K50
C	6263(A,120,194)		CEAT100M50
C	6264(A,118,174)		CEAT100M50
C	6265(A,122,180)		CEAT470M16
C	6266(A,122,188)		CEAT470M16
C	6267(B,51,189)		CCSRCH101J50
C	6268(B,53,189)		CCSRCH101J50
C	6269(B,67,182)		CKSRYB103K50
C	6270(B,69,182)		CKSRYB103K50
C	6279(B,130,222)		CKSRYB103K50
C	6283(B,132,222)		CKSRYB104K16
C	6284(B,91,224)		CKSRYB103K50
C	6285(B,64,223)		CKSRYB103K50
C	6286(B,35,224)		CKSRYB104K16
C	6291(B,134,222)		CKSRYB471K50
C	6292(B,33,224)		CKSRYB471K50
C	6293(B,126,196)		CKSRYB122K50
C	6294(B,128,177)		CKSRYB122K50
C	6295(A,78,180)		CEAT470M25
C	6296(A,73,172)		CEAT470M25
C	6403(B,21,206)		CKSRYB104K50
C	6404(B,21,208)		CKSRYB471K50
C	6405(B,17,217)		CKSRYB103K50
C	6406(B,13,217)		CKSRYB103K50

B V-AUDIO ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	6301(B,50,143)	AUDIO IC	BD3841FS
Q	6301(B,13,143)	TRANSISTOR	IMX25
JA	6301(A,26,107)	PIN JACK(6P)	AKB7174
CN	6301(A,121,144)	CONNECTOR(06P)	TUC-P06X-B1
CN	6302(A,38,163)	23P SOCKET	XKP3082
CN	6307(A,61,107)	PIN JACK(4P)	AKB7172
CN	6308(A,89,107)	PIN JACK(4P)	AKB7172
CN	6309(A,117,107)	PIN JACK(4P)	AKB7172

RESISTORS

Mark	No.	Description	Part No.
R	6301(B,23,127)		RS1/16S473J
R	6302(B,19,127)		RS1/16S473J
R	6303(B,26,128)		RS1/16S331J
R	6304(B,17,128)		RS1/16S331J
R	6307(B,36,127)		RS1/16S473J
R	6308(B,32,127)		RS1/16S473J
R	6309(B,39,128)		RS1/16S331J
R	6310(B,30,128)		RS1/16S331J
R	6313(B,49,127)		RS1/16S473J
R	6314(B,45,127)		RS1/16S473J
R	6315(B,52,128)		RS1/16S331J
R	6316(B,43,128)		RS1/16S331J
R	6319(B,62,127)		RS1/16S473J
R	6320(B,58,127)		RS1/16S473J
R	6321(B,65,128)		RS1/16S331J
R	6322(B,55,128)		RS1/16S331J
R	6325(B,75,127)		RS1/16S104J
R	6326(B,71,127)		RS1/16S104J
R	6327(B,78,128)		RS1/16S222J
R	6328(B,69,128)		RS1/16S222J
R	6329(B,75,134)		RS1/16S154J
R	6330(B,71,134)		RS1/16S154J
R	6331(B,88,127)		RS1/16S473J
R	6332(B,84,127)		RS1/16S473J
R	6333(B,91,128)		RS1/16S331J
R	6334(B,82,128)		RS1/16S331J
R	6337(B,101,127)		RS1/16S104J
R	6338(B,97,127)		RS1/16S104J
R	6339(B,104,128)		RS1/16S222J
R	6340(B,95,128)		RS1/16S222J
R	6341(B,101,134)		RS1/16S154J
R	6342(B,97,134)		RS1/16S154J
R	6343(B,113,133)		RS1/16S473J
R	6344(B,109,127)		RS1/16S473J
R	6345(B,113,135)		RS1/16S331J
R	6346(B,109,129)		RS1/16S331J
R	6351(B,13,131)		RS1/16S102J
R	6352(B,9,136)		RS1/16S102J
R	6353(B,18,149)		RS1/16S103J
R	6354(B,8,149)		RS1/16S103J
R	6355(B,16,156)		RS1/16S102J
R	6356(B,11,158)		RS1/16S102J
R	6361(B,73,152)		RS1/16S101J
R	6362(B,69,152)		RS1/16S101J
R	6381(B,38,148)		RS1/16S473J
R	6382(B,40,147)		RS1/16S473J
R	6383(B,35,165)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	6329(A,77,137)		CEAT100M50
C	6330(A,70,137)		CEAT100M50
C	6341(A,103,137)		CEAT100M50
C	6342(A,96,137)		CEAT100M50
C	6349(B,33,114)		CKSRYB104K16
C	6350(B,61,114)		CKSRYB104K16
C	6351(B,89,114)		CKSRYB104K16
C	6359(B,60,149)		CCSRCH101J50
C	6360(B,62,149)		CCSRCH101J50
C	6361(B,56,151)		CKSRYB103K50
C	6362(B,52,151)		CKSRYB103K50
C	6363(A,79,162)		CEAT470M25
C	6364(A,73,157)		CEAT470M25
C	6368(B,19,114)		CKSRYB103K50
C	6369(B,22,111)		CKSRYB103K50
C	6377(A,62,156)	ELECT. CAPACITOR	CEAT470M25
C	6378(A,56,156)	ELECT. CAPACITOR	CEAT470M25
C	6379(B,35,114)		CKSRYB471K50
C	6380(B,63,114)		CKSRYB471K50

Mark	No.	Description	Part No.
C	6381(B,91,114)		CKSRYB471K50

C FRONT-IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	3451(B,50,39)	OP-AMP IC	BA4560RF
Q	3451(B,103,33)	CHIP TRANSISTOR	HN1C01FU
D	3451(B,72,45)	DIODE	UDZS5R1(B)
D	3452(B,70,45)	DIODE	UDZS5R1(B)
D	3453(B,34,27)	DIODE	UDZS5R1(B)
D	3454(B,47,24)	DIODE	DAN217U
D	3455(B,128,27)	DIODE	DAN217U
D	3467(B,42,42)	DIODE	DAN217U
D	3502(B,14,45)	ZENER DIODE	UMZU6.2N
D	3504(B,8,36)	ZENER DIODE	UMZU6.2N
L	3453(B,57,28)	CHIP SOLID INDUCTOR	QTL1013
L	3465	INDUCTOR	CTF1385
JA	3451(A,32,11)	JACK	RKN1004
JA	3452(A,117,15)	FRONT AV INPUT	AKX7019
JA	3501(A,14,10)	USB CONNECTOR	XKP3086
KN	3451(A,36,39)	WRAPPING TERMINAL	VNF1084
KN	3452(A,123,39)	WRAPPING TERMINAL	VNF1084
CN	3451(A,118,53)	CONNECTOR	CKS3380
CN	3501(A,11,39)	PLUG(5P)	KM200NA5
	3501(A,22,32)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	3451(B,37,21)		RS1/16S682J
R	3452(B,38,18)		RS1/16S104J
R	3453(B,39,25)		RS1/16S101J
R	3454(B,42,26)		RS1/16S104J
R	3455(B,48,32)		RS1/16S333J
R	3456(B,46,31)		RS1/16S432J
R	3457(B,48,46)		RS1/16S432J
R	3458(B,52,46)		RS1/16S333J
R	3459(B,55,46)		RS1/16S101J
R	3460(B,29,26)		RS1/16S102J
R	3461(B,68,48)		RS1/16S104J
R	3462(B,63,26)		RS1/16S101J
R	3463(B,36,27)		RS1/16S102J
R	3469(B,105,62)		RS1/16S0R0J
R	3470(B,111,51)		RS1/16S0R0J
R	3471(B,73,28)		RS1/16S750J
R	3472(B,73,31)		RS1/16S0R0J
R	3473(B,78,26)		RS1/16S750J
R	3474(B,76,28)		RS1/16S0R0J
R	3475(B,85,26)		RS1/16S750J
R	3476(B,87,28)		RS1/16S0R0J
R	3477(B,102,63)		RS1/16S0R0J
R	3480(B,45,35)		RS1/16S101J
R	3481(B,97,23)		RS1/16S104J
R	3482(B,125,23)		RS1/16S104J
R	3483(B,95,27)		RS1/16S221J
R	3484(B,121,27)		RS1/16S221J
R	3485(B,95,31)		RS1/16S104J
R	3486(B,113,24)		RS1/16S104J
R	3487(B,93,36)		RS1/16S221J
R	3488(B,113,28)		RS1/16S221J
R	3489(B,113,51)		RS1/16S101J
R	3490(B,118,50)		RS1/16S101J
R	3491(B,108,38)		RS1/16S153J
R	3492(B,110,38)		RS1/16S153J
R	3493(B,106,38)		RS1/16S470J
R	3494(B,117,46)		RS1/16S470J
R	3495(B,108,24)		RS1/16S0R0J
R	3496(B,121,23)		RS1/16S0R0J
R	3497(B,98,26)		RS1/16S0R0J
R	3498(B,114,36)		RS1/16S0R0J
R	3499(B,116,36)		RS1/16S0R0J
R	3501(B,12,31)		RS1/16S0R0J
R	3502(B,14,31)		RS1/16S0R0J
R	3503(B,6,31)		RS1/16S0R0J
R	3504(B,11,26)		RS1/16S0R0J
R	3505(B,18,44)		RS1/16S0R0J
R	3506(B,20,36)		RS1/16S0R0J
R	3507(B,26,33)		RS1/16S0R0J
R	3508(B,20,39)		RS1/16S0R0J
R	3509(B,20,46)		RS1/16S0R0J
R	3510(B,7,39)		RS1/16S222J
R	3511(B,17,48)		RS1/16S0R0J
R	3512(B,17,37)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	3451(B,36,18)		CKSRYB471K50
C	3452(B,41,21)		CKSQYB106K6R3
C	3453(B,42,24)		CCSRCH101J50
C	3454(B,50,32)		CCSRCH220J50
C	3455(B,50,46)		CCSRCH220J50
C	3457(A,29,30)		CEJQ100M16
C	3459(B,55,41)		CKSRYB103K50
C	3460(B,55,36)		CKSRYB103K50
C	3461(A,58,42)		CEAT100M50
C	3462(A,58,35)		CEAT100M50
C	3463(B,47,49)		CKSRYB105K6R3
C	3466(B,39,42)		CKSRYB104K16
C	3467(B,57,26)		CKSRYB104K16
C	3470(A,63,45)		CEAT100M50
C	3471(B,71,28)		CKSRYB104K16
C	3475(B,125,31)		CKSRYB104K16
C	3476(B,125,35)		CKSRYB103K50
C	3478(B,127,35)		CKSRYB472K50
C	3481(B,99,23)		CCSRCH221J50
C	3482(B,123,23)		CCSRCH221J50
C	3483(A,92,32)		CEAT100M50
C	3484(A,116,31)		CEAT100M50
C	3485(B,95,36)		CCSRCH101J50
C	3486(B,111,26)		CCSRCH101J50
C	3489(B,107,32)		CKSRYB103K50
C	3490(B,112,38)		CKSRYB103K50
C	3491(A,110,34)	ELECT. CAPACITOR	CEAT330M25
C	3492(A,112,43)	ELECT. CAPACITOR	CEAT330M25
C	3495(B,125,27)		CKSRYB103K50
C	3496(B,95,23)		CKSRYB103K50
C	3497(B,65,48)		CKSRYB104K16
C	3498(B,63,48)		CKSRYB103K50
C	3499(B,60,49)		CKSRYB102K50
C	3503(B,8,31)		CKSRYB104K16

D HEADPHONE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
KN	3551(A,125,118)	WRAPPING TERMINAL	VNF1084
CN	3551(A,134,114)	4P JUMPER CONNECTOR	52147-0410
	3551(A,125,73)	PHONE JACK	AKN7029

RESISTORS

Mark	No.	Description	Part No.
R	3551(B,130,85)		RS1/16S102J
R	3552(B,133,111)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	3551(B,134,98)		CKSRYB392K50
C	3552(B,120,88)		CKSRYB392K50
C	3553(B,120,93)		CKSRYB471K50
C	3554(B,118,93)		CKSRYB103K50
C	3555(B,116,93)		CKSRYB104K16

E BRIDGE 1 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
CN	5431(A,152,224)	13P PLUG	XKP3066
CN	5432(A,165,176)	13P PLUG	XKP3066
CN	5433(A,191,225)	CONNECTOR	CKS1726
CN	5434(A,170,175)	CONNECTOR	CKS1726

F BRIDGE 2 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
CN	5441(A,200,98)	CONNECTOR	CKS3382
CN	5442(A,215,117)	15P PLUG	XKP3067
CN	5443(A,239,119)	17P PLUG	XKP3068

G TRANS SIDE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
L	4401(B,307,6)	INDUCTOR	CTF1385
L	4402(B,307,8)	INDUCTOR	CTF1385
L	4403(B,307,10)	INDUCTOR	CTF1385
L	4404(B,307,14)	INDUCTOR	CTF1385
L	4405(B,307,16)	INDUCTOR	CTF1385
L	4406(B,307,18)	INDUCTOR	CTF1385
L	4407(B,307,20)	INDUCTOR	CTF1385
L	4408(B,307,22)	INDUCTOR	CTF1385
L	4409(B,307,24)	INDUCTOR	CTF1385
L	4410(B,307,26)	INDUCTOR	CTF1385
L	4411(B,307,28)	INDUCTOR	CTF1385
L	4412(B,307,30)	INDUCTOR	CTF1385
L	4413(B,307,32)	INDUCTOR	CTF1385
J	5	JUMPER WIRE	D20PDY0410E
CN	4402(A,319,21)	L-PLUG(13P)	KM200NA13L
CN	4403(A,83,30)	CONNECTOR	CKS3382
	4401(A,61,9)	4P CABLE HOLDER	51048-0400

H BRIDGE 3 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
CN	5451(A,169,100)	15P CONNECTOR	52044-1545
CN	5452(A,140,100)	19P CONNECTOR	52044-1945
CN	5453(A,135,134)	23P PLUG	XKP3071
CN	5454(A,126,166)	23P PLUG	XKP3071
CN	5455(A,169,166)	15P PLUG	XKP3067

RESISTORS

Mark	No.	Description	Part No.
R	5451(B,148,161)		RS1/16S0R0J
R	5452(B,146,159)		RS1/16S0R0J
R	5453(B,143,161)		RS1/16S0R0J
R	5454(B,141,159)		RS1/16S0R0J
R	5455(B,138,161)		RS1/16S0R0J
R	5456(B,184,161)		RS1/16S0R0J
R	5457(B,179,161)		RS1/16S0R0J
R	5458(B,176,159)		RS1/16S0R0J
R	5459(B,174,161)		RS1/16S0R0J
R	5460(B,171,159)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	5451(B,160,106)		CKSRYB104K16
C	5452(B,164,106)		CKSRYB104K16

I COMPOSITE V ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	2001(A,134,86)	LOGIC IC	TC74HC4051AFT
IC	2002(A,136,69)	LOGIC IC	TC74HC4051AFT
IC	2003(A,153,86)	LOGIC IC	TC74HC4052AFT
IC	2004(A,149,69)	LOGIC IC	TC74HC4052AFT
IC	2007(A,142,50)	CHARACTER GENERATOR	PDC162A
IC	2008(A,154,102)	LOGIC IC	TC4094BFN
IC	2009(A,156,113)	LOGIC IC	TC4094BFN
IC	2010(A,132,109)	VIDEO AMP IC	LA7109
Q	2001(A,154,47)	TRANSISTOR	2SC4154
Q	2081(A,159,32)	TRANSISTOR	2SC4154
D	2001(A,142,31)	DIODE	MC2846-11
D	2002(A,161,49)	DIODE	MC2846-11
D	2003(A,162,55)	DIODE	MC2846-11
L	2001(A,128,43)	AXIAL INDUCTOR	LAU330J
JA	2005(A,104,130)	PIN JACK(1P)	AKB7175
X	2001(A,129,55)	CRYSTAL RESONATOR	ASS7080
CN	2001(A,135,24)	19P SOCKET	XKP3080
CN	2002(A,160,123)	17P SOCKET	XKP3079
	2003(A,104,53)	PIN JACK(2P)	AKB7176
	2002(A,104,81)	PIN JACK(2P)	AKB7176
	2001(A,104,109)	PIN JACK(2P)	AKB7176
	2004(A,104,25)	PIN JACK(2P)	AKB7176

RESISTORS

Mark	No.	Description	Part No.
R	2001(B,113,117)		RS1/16S750J
R	2002(B,113,103)		RS1/16S750J
R	2003(B,113,89)		RS1/16S750J
R	2004(B,113,75)		RS1/16S750J
R	2005(B,113,47)		RS1/16S750J
R	2006(B,113,19)		RS1/16S750J
R	2010(B,138,105)		RS1/16S103J
R	2012(B,138,114)		RS1/16S103J
R	2013(B,138,117)		RS1/16S103J
R	2014(B,138,101)		RS1/16S103J
R	2015(B,138,111)		RS1/16S103J
R	2019(A,124,112)		RS1/16S750J
R	2020(A,122,101)		RS1/16S750J
R	2021(A,122,106)		RS1/16S750J
R	2022(A,126,121)		RS1/16S0R0J

Mark	No.	Description	Part No.
R	2025(A,147,98)		RS1/16S473J
R	2026(A,128,84)		RS1/16S473J
R	2027(A,130,84)		RS1/16S473J
R	2028(B,138,63)		RS1/16S473J
R	2029(B,138,67)		RS1/16S473J
R	2030(B,138,65)		RS1/16S473J
R	2034(A,138,92)		RS1/16S473J
R	2035(A,122,109)		RS1/16S473J
R	2040(A,133,33)		RS1/16S331J
R	2041(A,132,36)		RS1/16S331J
R	2042(A,134,36)		RS1/16S331J
R	2043(A,151,43)		RS1/16S512J
R	2044(A,154,43)		RS1/16S392J
R	2045(A,153,49)		RS1/16S103J
R	2047(A,150,54)		RS1/16S102J
R	2060(A,152,32)		RS1/16S0R0J
R	2065(A,128,125)		RS1/16S0R0J
R	2070(A,149,120)		RS1/16S0R0J
R	2071(A,147,120)		RS1/16S0R0J
R	2072(B,113,115)		RS1/16S0R0J
R	2082(A,151,30)		RS1/16S0R0J
R	2084(A,162,32)		RS1/16S103J
R	2085(A,156,30)		RS1/16S472J
R	2086(A,147,111)		RS1/16S103J
R	2087(B,128,116)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
C	2001(A,138,83)		CKSRYB103K50
C	2002(A,130,90)		CKSRYB103K50
C	2003(A,141,67)		CKSRYB103K50
C	2004(A,132,73)		CKSRYB103K50
C	2005(A,157,84)		CKSRYB103K50
C	2006(A,149,90)		CKSRYB103K50
C	2007(A,154,66)		CKSRYB103K50
C	2008(A,145,72)		CKSRYB103K50
C	2010(A,144,102)		CEAT101M10
C	2012(A,144,108)		CEAT101M10
C	2013(A,144,114)		CEAT101M10
C	2015(A,128,97)		CEAT101M10
C	2016(A,136,98)		CEAT101M10
C	2017(A,128,100)		CKSRYB104K16
C	2018(B,138,95)		CKSRYB104K16
C	2019(A,124,111)		CCSRCH181J50
C	2020(A,122,103)		CCSRCH181J50
C	2021(A,122,104)		CCSRCH181J50
C	2025(B,150,100)		CKSRYB103K50
C	2026(B,149,111)		CKSRYB103K50
C	2031		CKSRYB102K50
C	2032		CKSRYB102K50
C	2040(A,149,38)		CEAT101M10
C	2041(A,140,38)		CEAT101M10
C	2042(A,144,60)		CKSRYB473K25
C	2043(A,138,40)		CKSRYB473K25
C	2044(B,138,59)		CCSRCH6R0D50
C	2045(B,138,57)		CCSRCH6R0D50
C	2046(B,138,44)		CCSRCH240J50
C	2047(B,138,42)		CCSRCH240J50
C	2048(A,130,33)		CCSRCH101J50
C	2049(A,130,37)		CCSRCH101J50

Mark	No.	Description	Part No.
C	2050(A,130,34)		CCSRCH101J50
C	2052(A,151,45)		CKSRYB103K50
C	2053(A,153,57)		CEAT101M10
C	2054(A,150,45)		CKSRYB122K50
C	2055(B,147,46)		CKSRYB122K50
C	2056(A,150,52)		CCSRCH101J50
C	2083(A,160,42)		CEAT101M10
C	2084(A,157,36)		CKSRYB103K50
C	2085(A,156,32)		CKSRYB103K50
C	2088(A,158,60)		CKSRYB103K50
C	2091(B,113,111)		CKSRYB103K50
C	2092(B,113,83)		CKSRYB103K50
C	2093(B,113,55)		CKSRYB103K50
C	2094(B,114,126)		CKSRYB473K25

J S VIDEO ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	2201(A,43,65)	LOGIC IC	TC74HC4051AFT
IC	2202(A,57,67)	LOGIC IC	TC74HC4051AFT
IC	2203(A,61,89)	LOGIC IC	TC74HC4052AFT
IC	2204(A,36,96)	VIDEO AMP IC	LA7109
IC	2205(A,43,45)	LOGIC IC	TC74HC4051AFT
IC	2206(A,57,45)	LOGIC IC	TC74HC4051AFT
IC	2207(A,35,116)	IC	NJM12904V
IC	2210(A,46,116)	LOGIC IC	TC4094BFN
IC	2211(A,66,114)	LOGIC IC	TC4094BFN
Q	2201(A,30,122)	TRANSISTOR	RT1N241M
Q	2202(B,71,56)	TRANSISTOR	2SC4154
Q	2203(B,64,47)	TRANSISTOR	2SC4154
D	2201(A,31,114)	DIODE	1SS352
D	2202(A,57,117)	DIODE	MC2846-11
JA	2201(A,12,130)	PIN JACK(1P)	AKB7175
JA	2202(A,12,88)	SOCKET	XKB3052
JA	2203(A,12,53)	SOCKET	XKB3051
JA	2204(A,12,25)	SOCKET	XKB3051
CN	2201(A,67,24)	17P SOCKET	XKP3079
CN	2202(A,49,123)	15P SOCKET	XKP3078

RESISTORS

Mark	No.	Description	Part No.
R	2201(B,23,87)		RS1/16S750J
R	2202(B,23,88)		RS1/16S750J
R	2203(B,23,73)		RS1/16S750J
R	2204(B,23,74)		RS1/16S750J
R	2205(B,23,45)		RS1/16S750J
R	2206(B,23,46)		RS1/16S750J
R	2207(B,23,17)		RS1/16S750J
R	2208(B,23,18)		RS1/16S750J
R	2221(A,42,88)		RS1/16S103J
R	2222(A,48,93)		RS1/16S103J
R	2224(B,48,95)		RS1/16S103J
R	2225(A,44,102)		RS1/16S103J
R	2227(A,29,96)		RS1/16S750J
R	2228(A,28,100)		RS1/16S750J
R	2233(B,27,57)		RS1/16S750J
R	2234(B,27,62)		RS1/16S750J
R	2239(B,29,29)		RS1/16S750J
R	2240(B,27,34)		RS1/16S750J
R	2245(A,36,111)		RS1/16S103J
R	2246(A,32,114)		RS1/16S471J

Mark	No.	Description	Part No.
	R 2247(A,31,118)		RS1/16S274J
	R 2261(B,29,130)		RS1/16S750J
	R 2265(A,52,115)		RS1/16S473J
	R 2266(A,52,116)		RS1/16S473J
	R 2267(A,52,118)		RS1/16S473J
	R 2268(A,41,112)		RS1/16S473J
	R 2269(B,63,103)		RS1/16S473J
	R 2270(A,72,113)		RS1/16S473J
	R 2271(A,72,114)		RS1/16S473J
	R 2272(A,71,117)		RS1/16S473J
	R 2277(B,53,115)		RS1/16S0R0J
	R 2278(B,57,115)		RS1/16S0R0J
	R 2279(B,44,24)		RS1/16S0R0J
	R 2280(B,44,26)		RS1/16S0R0J
	R 2282(B,71,48)		RS1/16S472J
	R 2283(A,60,118)		RS1/16S103J
	R 2296(B,72,64)		RS1/16S103J
	R 2297(B,72,51)		RS1/16S472J
	R 2299(B,69,48)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
	C 2202(B,27,90)		CKSRYB104K16
	C 2204(B,27,77)		CKSRYB104K16
	C 2206(B,27,48)		CKSRYB104K16
	C 2208(B,28,25)		CKSRYB104K16
	C 2211(A,46,63)		CKSRYB104K16
	C 2212(A,39,69)		CKSRYB104K16
	C 2213(A,61,64)		CKSRYB104K16
	C 2214(A,53,70)		CKSRYB104K16
	C 2215(A,46,41)		CKSRYB104K16
	C 2216(A,39,48)		CKSRYB104K16
	C 2217(A,60,42)		CKSRYB104K16
	C 2218(A,53,48)		CKSRYB104K16
	C 2219(A,58,85)		CKSRYB103K50
	C 2220(A,64,92)		CKSRYB103K50
	C 2221(A,50,88)		CEAT101M10
	C 2222(A,51,93)		CKSRYB104K16
	C 2224(A,50,98)		CEAT101M10
	C 2225(A,45,102)		CKSRYB104K16
	C 2227(A,27,96)		CCSRCH181J50
	C 2228(A,30,99)		CCSRCH181J50
	C 2229(A,28,101)		CKSRYB104K16
	C 2230(B,21,95)		CKSRYB103K50
	C 2233(B,23,59)		CCSRCH181J50
	C 2234(B,23,60)		CCSRCH181J50
	C 2235(B,27,64)		CKSRYB104K16
	C 2236(B,21,53)		CKSRYB103K50
	C 2239(B,23,31)		CCSRCH181J50
	C 2240(B,23,32)		CCSRCH181J50
	C 2241(B,27,36)		CKSRYB104K16
	C 2242(B,21,26)		CKSRYB103K50
	C 2245(A,36,109)		CKSRYB104K16
	C 2246(A,26,115)		CEAT100M50
	C 2247(A,32,118)		CKSRYB103K50
	C 2251		CKSRYB102K50
	C 2252		CKSRYB102K50
	C 2259(B,25,130)		CCSRCH181J50
	C 2261(B,21,130)		CKSRYB103K50
	C 2265(A,44,109)		CKSRYB103K50
	C 2266(A,65,107)		CKSRYB103K50
	C 2279(A,50,29)		CEAT101M16
	C 2280(A,44,29)		CEAT101M16
	C 2285(A,44,83)		CEAT101M10
	C 2286(A,36,81)		CEAT101M10
	C 2287(A,35,86)		CKSRYB104K16
	C 2288(A,36,106)		CKSRYB104K16
	C 2291(B,68,56)		CKSRYB103K50
	C 2292(B,68,52)		CKSRYB103K50
	C 2293(B,61,42)		CKSRYB103K50
	C 2294(B,67,52)		CKSRYB103K50
	C 2296(A,69,63)		CEAL220M10
	C 2297(B,67,45)		CKSRYB104K16

K COMPONENT & VOL ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 2401(A,65,45)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2402(A,44,45)	MULTIPLEXER(4CH*2)	TC74LVX4052FT
	IC 2404(A,73,64)	MULTIPLEXER(2CH*3)	TC74LVX4053FT
	IC 2405(B,44,66)	VIDEO IC	NJM2581M
	IC 2407(B,71,118)	LOGIC IC	TC4094BFN
	IC 2408(A,75,139)	IC	TC74VHCT08AFTS1
	IC 2409(A,57,32)	IC	NJM12904V
	IC 2410(A,77,117)	IC	TC7SH08FUS1
	IC 2501(A,159,110)	OP-AMP IC	UPC4570G2
	IC 2525(A,197,110)	OP-AMP IC	UPC4570G2
	IC 2551(A,178,110)	OP-AMP IC	UPC4570G2
	IC 2575(A,216,110)	OP-AMP IC	UPC4570G2
	IC 2630(B,159,40)	IC	TC4066BFN
	IC 2631(A,135,61)	IC	TC4053BFN
	IC 2632(A,145,38)	OP-AMP IC	BA4560RF
	IC 2633(A,154,61)	OP-AMP IC	BA4560RF
	IC 2634(A,147,61)	OP-AMP IC	BA4560RF
	IC 2635(A,174,61)	IC	TC4052BFN
	IC 2636(A,201,68)	8CH E-VOL	R2S15205FP
	IC 2637(A,145,85)	2CH E-VOL	M61545FP
	IC 2640(A,134,147)	LOGIC IC	TC4094BFN
	Q 2401(A,76,28)	TRANSISTOR(SC-70)	2SA1602A
	Q 2402(A,73,28)	TRANSISTOR(SC-70)	2SA1602A
	Q 2403(A,86,27)	TRANSISTOR(SC-70)	2SA1602A
	Q 2404(A,92,31)	TRANSISTOR(SC-70)	2SA1602A
	Q 2405(A,83,27)	TRANSISTOR(SC-70)	2SA1602A
	Q 2406(A,92,28)	TRANSISTOR(SC-70)	2SA1602A
⚠	Q 2407(B,48,33)	TRANSISTOR	2SC4154
⚠	Q 2408(B,43,28)	TRANSISTOR(SC-70)	2SA1602A
	Q 2420(A,65,31)	TRANSISTOR	RT1N241M
	Q 2630(B,114,26)	TRANSISTOR	RT1N241M
	Q 2631(A,164,44)	TRANSISTOR	RT1N241M
	Q 2632(B,118,26)	TRANSISTOR	RT1N241M
	Q 2633(B,111,32)	TRANSISTOR	RT1N241M
	Q 2639(B,108,149)	DIGITAL TR(SC-70)	RT1P241M
	Q 2640(B,115,148)	DIGITAL TR(SC-70)	RT1P241M
⚠	Q 2641(A,194,30)	TRANSISTOR	2SD1858X
⚠	Q 2642(A,178,30)	TRANSISTOR	2SB1238X
	Q 2645(A,168,46)	DIGITAL TR(SC-70)	RT1P241M
	Q 2771(B,44,149)	TRANSISTOR	2SD1664
	D 2401(B,56,24)	DIODE	1SS352
	D 2402(B,48,24)	DIODE	1SS352

Mark	No.	Description	Part No.
D	2403(A,58,28)	DIODE	1SS352
D	2504(A,129,38)	DIODE	DAN217
D	2505(A,134,38)	DIODE	DAN217
D	2517(B,188,22)	DIODE	UDZS7R5(B)
D	2518(B,183,22)	DIODE	UDZS7R5(B)
D	2519(B,156,150)	DIODE	1SS352
D	2613(B,192,56)	DIODE	DAN217
D	2753(B,33,135)	CHIP DIODE	RB501V-40
D	2754(B,33,133)	CHIP DIODE	RB501V-40
D	2755(B,30,108)	DIODE	1SS352
D	2772(B,49,146)	DIODE	UDZS10(B)
L	2752(B,34,137)	CHIP SOLID INDUCTOR	QTL1013
L	2754(B,32,128)	CHIP SOLID INDUCTOR	QTL1013
L	2756(B,32,121)	CHIP SOLID INDUCTOR	QTL1013
L	2760(B,28,141)	INDUCTOR	CTF1385
L	2762(B,33,93)	CHIP SOLID INDUCTOR	QTL1013
L	2763(B,31,114)	CHIP SOLID INDUCTOR	QTL1013
L	2764(B,31,112)	CHIP SOLID INDUCTOR	QTL1013
L	2765(B,33,105)	CHIP SOLID INDUCTOR	QTL1013
L	2766(B,33,103)	CHIP SOLID INDUCTOR	QTL1013
L	2767(B,32,98)	INDUCTOR	CTF1385
JA	2401(A,15,68)	6P RCA PINJACK	XKB3053
JA	2402(A,15,26)	6P RCA PINJACK	XKB3053
JA	2702(A,15,125)	JACK	AKN-209
JA	2703(A,17,138)	JACK	RKN1004
JA	2704(A,17,93)	JACK	RKN1004
JA	2705(A,15,103)	MINI JACK(4P) /W SW	XKN3015
KN	2701(A,15,147)	SCREW PLATE	VNE1948
CN	2402(A,49,14)	CONNECTOR(07P)	TUC-P07X-B1
CN	2403(A,90,18)	17P SOCKET	XKP3079
CN	2409(A,51,78)	CONNECTOR	CKS3382
CN	2501(A,191,14)	PLUG	CKS1758
CN	2502(A,109,47)	CONNECTOR	CKS3380
CN	2503(A,153,14)	PLUG	CKS1764
CN	2504(A,173,143)	13P SOCKET	XKP3077
CN	2505(A,102,14)	PLUG	CKS1758
CN	2506(A,226,18)	11P SOCKET	XKP3076
CN	2507(A,212,146)	PLUG	CKS1760
CN	2601(A,116,107)	CONNECTOR	CKS3384
CN	2602(A,109,99)	CONNECTOR	CKS3389
CN	2603(A,109,70)	CONNECTOR	CKS3384
CN	2702(A,69,151)	CONNECTOR	CKS3376
CN	2703(A,77,148)	07P CONNECTOR	RKN1048
	2701(A,97,143)	PCB BINDER	VEF1040
	2702(A,86,150)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	2401(B,33,84)		RS1/16S750J
R	2402(B,33,69)		RS1/16S750J
R	2403(B,33,54)		RS1/16S750J
R	2404(B,33,42)		RS1/16S750J
R	2405(B,33,28)		RS1/16S750J
R	2406(B,33,18)		RS1/16S750J
R	2407(B,33,38)		RS1/16S750J
R	2408(B,33,25)		RS1/16S750J
R	2409(B,25,11)		RS1/16S750J
R	2410(A,76,31)		RS1/16S102J
R	2411(A,73,31)		RS1/16S184J
R	2412(A,80,31)		RS1/16S184J
R	2413(B,80,32)		RS1/16S0R0J
R	2414(B,84,37)		RS1/16S0R0J
R	2415(A,71,26)		RS1/16S114J
R	2416(B,81,24)		RS1/16S0R0J
R	2417(A,81,27)		RS1/16S114J
R	2418(A,84,31)		RS1/16S102J
R	2419(A,89,30)		RS1/16S102J
R	2420(A,86,30)		RS1/16S184J
R	2421(B,90,37)		RS1/16S0R0J
R	2422(B,88,25)		RS1/16S0R0J
R	2423(A,91,26)		RS1/16S114J
R	2424(B,92,22)		RS1/16S0R0J
R	2435(A,73,127)		RS1/16S101J
R	2437(A,74,127)		RS1/16S101J
R	2439(B,34,77)		RS1/16S750J
R	2440(B,33,63)		RS1/16S750J
R	2441(B,33,49)		RS1/16S750J
R	2443(B,82,119)		RS1/16S473J
R	2444(B,82,117)		RS1/16S473J
R	2445(A,62,118)		RS1/16S473J
R	2446(B,55,111)		RS1/16S473J
R	2447(A,65,123)		RS1/16S473J
R	2448(A,63,123)		RS1/16S473J
R	2449(B,55,113)		RS1/16S473J
R	2451(B,48,30)		RS1/16S153J
R	2452(B,43,25)		RS1/16S153J
R	2453(A,49,33)		RS1/16S333J
R	2454(A,44,27)		RS1/16S333J
R	2477(B,65,32)		RS1/16S103J
R	2478(B,58,28)		RS1/16S471J
R	2479(A,65,28)		RS1/16S274J
R	2480(A,65,34)		RS1/16S0R0J
R	2490(B,78,139)		RS1/16S0R0J
R	2491(B,77,139)		RS1/16S0R0J
R	2502(A,142,101)		RS1/16S0R0J
R	2509(B,161,98)		RS1/16S223J
R	2510(B,157,98)		RS1/16S223J
R	2513(A,165,109)		RS1/16S682J
R	2514(A,153,109)		RS1/16S682J
R	2515(B,163,108)		RS1/16S122J
R	2516(B,155,108)		RS1/16S122J
R	2517(B,162,110)		RS1/16S0R0J
R	2518(B,156,110)		RS1/16S0R0J
R	2519(A,165,111)		RS1/16S183J
R	2520(A,154,111)		RS1/16S183J
R	2521(B,164,112)		RS1/16S0R0J
R	2522(B,155,112)		RS1/16S0R0J
R	2523(B,164,118)		RS1/16S104J
R	2524(B,154,118)		RS1/16S104J
R	2533(B,199,98)		RS1/16S223J
R	2534(B,195,98)		RS1/16S223J
R	2537(A,203,109)		RS1/16S682J
R	2538(A,191,109)		RS1/16S682J
R	2539(B,201,108)		RS1/16S122J
R	2540(B,193,108)		RS1/16S122J
R	2541(B,200,110)		RS1/16S0R0J
R	2542(B,194,110)		RS1/16S0R0J
R	2543(A,203,111)		RS1/16S183J
R	2544(A,192,111)		RS1/16S183J
R	2545(B,202,112)		RS1/16S0R0J

Mark	No.	Description	Part No.
R	2546(B,193,112)		RS1/16S0R0J
R	2547(B,202,118)		RS1/16S104J
R	2548(B,192,118)		RS1/16S104J
R	2559(B,180,98)		RS1/16S223J
R	2560(B,176,98)		RS1/16S223J
R	2563(A,184,109)		RS1/16S682J
R	2564(A,172,109)		RS1/16S682J
R	2565(B,182,108)		RS1/16S122J
R	2566(B,174,108)		RS1/16S122J
R	2567(B,181,110)		RS1/16S0R0J
R	2568(B,175,110)		RS1/16S0R0J
R	2569(A,184,111)		RS1/16S183J
R	2570(A,173,111)		RS1/16S183J
R	2571(B,183,112)		RS1/16S0R0J
R	2572(B,174,112)		RS1/16S0R0J
R	2573(B,183,118)		RS1/16S104J
R	2574(B,173,118)		RS1/16S104J
R	2583(B,218,98)		RS1/16S223J
R	2584(B,214,98)		RS1/16S223J
R	2587(A,222,109)		RS1/16S682J
R	2588(A,210,109)		RS1/16S682J
R	2589(B,220,108)		RS1/16S122J
R	2590(B,212,108)		RS1/16S122J
R	2591(B,219,110)		RS1/16S0R0J
R	2592(B,213,110)		RS1/16S0R0J
R	2593(A,222,111)		RS1/16S183J
R	2594(A,211,111)		RS1/16S183J
R	2595(B,221,112)		RS1/16S0R0J
R	2596(B,212,112)		RS1/16S0R0J
R	2597(B,221,118)		RS1/16S104J
R	2598(B,211,118)		RS1/16S104J
R	2601(B,108,138)		RS1/16S473J
R	2625(A,147,31)		RS1/16S242J
R	2626(A,148,45)		RS1/16S242J
R	2627(A,152,36)		RS1/16S101J
R	2628(A,153,43)		RS1/16S101J
R	2629(A,148,33)		RS1/16S272J
R	2630(A,149,43)		RS1/16S272J
R	2631(A,145,33)		RS1/16S0R0J
R	2632(A,146,43)		RS1/16S0R0J
R	2633(A,142,33)		RS1/16S222J
R	2634(A,143,43)		RS1/16S222J
R	2635(A,141,31)		RS1/16S101J
R	2636(A,142,45)		RS1/16S101J
R	2637(B,137,35)		RS1/16S473J
R	2638(B,137,40)		RS1/16S473J
R	2641(A,154,67)		RS1/16S472J
R	2642(A,154,56)		RS1/16S472J
R	2643(A,157,67)		RS1/16S101J
R	2644(A,157,56)		RS1/16S101J
R	2645(A,144,67)		RS1/16S113J
R	2646(A,144,56)		RS1/16S113J
R	2647(A,142,68)		RS1/16S0R0J
R	2648(A,142,55)		RS1/16S0R0J
R	2649(A,144,68)		RS1/16S153J
R	2650(A,144,54)		RS1/16S153J
R	2651(A,147,67)		RS1/16S113J
R	2652(A,147,56)		RS1/16S113J
R	2653(A,151,67)		RS1/16S472J
R	2654(A,151,56)		RS1/16S472J

Mark	No.	Description	Part No.
R	2655(B,163,64)		RS1/16S474J
R	2656(B,163,58)		RS1/16S474J
R	2663(A,191,53)		RS1/16S102J
R	2664(A,191,55)		RS1/16S102J
R	2670(B,161,85)		RS1/16S0R0J
R	2673(B,205,33)		RS1/16S0R0J
R	2681(B,135,89)		RS1/16S104J
R	2682(B,135,85)		RS1/16S104J
R	2683(A,141,95)		RS1/16S102J
R	2684(A,141,94)		RS1/16S102J
R	2685(B,196,25)		RS1/16S472J
R	2686(B,176,25)		RS1/16S472J
R	2687(B,194,25)		RS1/16S101J
R	2688(B,178,25)		RS1/16S101J
R	2689(A,169,43)		RS1/16S473J
R	2690(B,114,31)		RS1/16S473J
R	2691(B,116,31)		RS1/16S473J
R	2692(B,110,36)		RS1/16S473J
R	2693(A,131,135)		RS1/16S473J
R	2694(A,133,134)		RS1/16S471J
R	2695(A,128,135)		RS1/16S473J
R	2696(A,126,134)		RS1/16S471J
R	2701(B,149,142)		RS1/16S0R0J
R	2771(B,37,148)		RS1/16S0R0J
R	2772(B,50,149)		RS1/16S391J

CAPACITORS

Mark	No.	Description	Part No.
C	2410(A,74,31)		CKSRYB103K50
C	2411(A,64,41)		CKSRYB103K50
C	2412(A,67,49)		CKSRYB103K50
C	2413(A,82,31)		CKSRYB103K50
C	2414(A,69,25)		CKSRYB103K50
C	2415(A,42,41)		CKSRYB103K50
C	2416(A,46,49)		CKSRYB103K50
C	2417(A,87,30)		CKSRYB103K50
C	2418(A,79,27)		CKSRYB103K50
C	2419(A,70,60)		CKSRYB103K50
C	2420(A,74,68)		CKSRYB103K50
C	2424(A,60,67)		CEAT101M10
C	2425(A,60,61)		CEAT101M10
C	2426(A,60,55)		CEAT101M10
C	2427(B,41,59)		CKSRYB104K16
C	2428(B,46,73)		CKSRYB104K16
C	2429(A,89,26)		CKSRYB103K50
C	2430(A,81,39)		CEAT100M50
C	2431(A,45,59)		CEAT101M10
C	2432(A,42,73)		CEAT101M10
C	2433(A,86,38)		CEAT100M50
C	2438(B,63,123)		CKSRYB103K50
C	2439(A,47,33)		CKSRYB224K10
C	2440(A,42,27)		CKSRYB224K10
C	2453(B,23,58)		CKSRYB103K50
C	2454(B,23,30)		CKSRYB103K50
C	2455(B,23,18)		CKSRYB103K50
C	2456(B,23,72)		CKSRYB103K50
C	2457(A,92,38)		CEAT100M50
C	2460(B,94,18)		CKSRYB104K16
C	2463(A,79,127)		CKSRYB103K50
C	2465(B,68,142)		CKSRYB103K50

Mark	No.	Description	Part No.
C	2466(B,68,141)		CKSRYB224K10
C	2467(B,71,142)		CKSRYB152K50
C	2471(A,49,27)		CEAT101M16
C	2472(A,41,23)		CEAT101M16
C	2481(A,74,135)		CKSRYB103K50
C	2482(B,65,34)		CKSRYB104K16
C	2483(A,60,25)		CEAT100M50
C	2503(A,164,99)		CEAT4R7M50
C	2504(A,154,99)		CEAT4R7M50
C	2511(A,166,111)		CCSRCH101J50
C	2512(A,152,111)		CCSRCH101J50
C	2513(A,161,114)		CKSRYB103K50
C	2514(A,157,114)		CKSRYB103K50
C	2515(A,165,115)		CEAT470M25
C	2516(A,153,115)		CEAT470M25
C	2527(A,202,99)		CEAT4R7M50
C	2528(A,192,99)		CEAT4R7M50
C	2535(A,204,111)		CCSRCH101J50
C	2536(A,190,111)		CCSRCH101J50
C	2537(A,199,114)		CKSRYB103K50
C	2538(A,195,114)		CKSRYB103K50
C	2539(A,203,115)		CEAT470M25
C	2540(A,191,115)		CEAT470M25
C	2553(A,183,99)		CEAT4R7M50
C	2554(A,173,99)		CEAT4R7M50
C	2561(A,185,111)		CCSRCH101J50
C	2562(A,171,111)		CCSRCH101J50
C	2563(A,180,114)		CKSRYB103K50
C	2564(A,176,114)		CKSRYB103K50
C	2565(A,184,115)		CEAT470M25
C	2566(A,172,115)		CEAT470M25
C	2577(A,221,99)		CEAT4R7M50
C	2578(A,211,99)		CEAT4R7M50
C	2585(A,223,111)		CCSRCH101J50
C	2586(A,209,111)		CCSRCH101J50
C	2587(A,218,114)		CKSRYB103K50
C	2588(A,214,114)		CKSRYB103K50
C	2589(A,222,115)		CEAT470M25
C	2590(A,210,115)		CEAT470M25
C	2621(A,140,146)		CKSRYB103K50
C	2623(B,169,145)		CKSRYB104K16
C	2624(A,131,133)		CKSRYB472K50
C	2625(A,128,133)		CKSRYB472K50
C	2626(A,191,24)		CEAT2R2M50
C	2627(A,183,24)		CEAT2R2M50
C	2628(A,193,37)		CEAT100M50
C	2629(A,184,37)		CEAT100M50
C	2631(A,169,66)		CKSRYB103K50
C	2632(A,178,56)		CKSRYB103K50
C	2633(A,144,31)		CCSRCH101J50
C	2634(A,145,45)		CCSRCH101J50
C	2635(A,149,39)		CKSRYB103K50
C	2636(A,149,35)		CKSRYB103K50
C	2637(A,139,34)		CEAT100M50
C	2638(A,140,42)		CEAT100M50
C	2639(A,154,68)		CCSRCH220J50
C	2640(A,154,54)		CCSRCH220J50
C	2641(A,158,60)		CKSRYB103K50
C	2642(A,151,63)		CKSRYB103K50
C	2643(A,147,68)		CCSRCH220J50

Mark	No.	Description	Part No.
C	2644(A,147,54)		CCSRCH220J50
C	2645(A,161,65)		CEAT100M50
C	2646(A,161,57)		CEAT100M50
C	2647(A,151,60)		CKSRYB103K50
C	2648(A,144,63)		CKSRYB103K50
C	2649(B,162,34)		CKSRYB103K50
C	2650(B,152,45)		CKSRYB103K50
C	2651(A,142,60)		CKSRYB103K50
C	2652(A,129,65)		CKSRYB103K50
C	2661(A,188,59)		CKSRYB103K50
C	2662(A,195,57)		CKSRYB103K50
C	2663(A,190,84)		CEAT101M16
C	2664(A,184,84)		CEAT101M16
C	2665(A,203,84)		CEAT101M16
C	2666(A,196,84)		CEAT101M16
C	2667(A,215,84)		CEAT101M16
C	2668(A,209,84)		CEAT101M16
C	2669(A,227,84)		CEAT101M16
C	2670(A,221,84)		CEAT101M16
C	2671(A,191,58)		CCSRCH101J50
C	2672(A,191,56)		CCSRCH101J50
C	2681(B,143,83)		CKSRYB103K50
C	2682(A,153,84)		CEAT100M50
C	2683(A,160,87)		CEAT2R2M50
C	2684(A,160,82)		CEAT2R2M50
C	2685(A,137,90)		CEAT2R2M50
C	2686(A,137,84)		CEAT2R2M50
C	2687(A,142,92)		CCSRCH101J50
C	2688(A,142,90)		CCSRCH101J50
C	2695(A,116,92)	ELECT. CAPACITOR	CEAT470M25
C	2696(A,116,85)	ELECT. CAPACITOR	CEAT470M25
C	2771(A,46,144)		CEAT101M16
C	2773(A,40,146)		CEAT101M16
C	2779(B,31,89)		CKSRYB104K16
C	2783(B,23,117)		CKSRYB104K16
C	2784(B,23,116)		CKSRYB471K50
C	2785(B,25,133)		CKSRYB104K16
C	2786(B,25,135)		CKSRYB471K50
C	2787(B,30,150)		CKSRYB103K50
C	2788(B,30,148)		CKSRYB104K16

L DIGITAL MOTHER ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
IC	101		PEG395A8
IC	102		BU4842F
IC	104		BR24L32F-W
IC	105,106,108,111		TC74VHCT08AFTS1
IC	107,109,110,302		TC74VHCT125AFTS1
IC	112,305,310-312		TC74VHC08FTS1
IC	201		PEG396A
IC	202		AYW7180
IC	203		TC4094BFN
⚠ IC	204		NJM2880U1-33
IC	205		TC74LCX244FTS1
IC	206,207,210,301		TC74VHC125FTS1
IC	208		TC74VHC02FTS1
IC	209		TC74VHC04FTS1
IC	303		AK4114VQ

Mark	No.	Description	Part No.
	IC 304		TC7WHU04FU
	IC 306,307,309,313		TC74LCX157FTS1
	IC 308		TC74VHC125FTS1
	IC 314		TC74LCX157FTS1
	IC 315		TC74LCX541FTS1
	IC 316,317		ML87V5002
⚠	IC 318		NJM2885DL1-33
	IC 319		TC7SH08FUS1
	IC 471		AK5359ET
	IC 551,651,751,851		DSD1791DBR
	IC 552,652,752,852		BA4560RF
	IC 901		AK4387ET
	IC 902		BA4560RF
	IC 951		F2621E-01
⚠	IC 952		AAT4618IGV-0.5-1
⚠	IC 991		NJM2391DL1-33
	Q 101-104,106		RT3P22M
	Q 105,201,301		RT1N241M
	Q 107		RT1N141M-11
	Q 108		2SA1602A
	Q 109		RT1P431M
	Q 110,111		RT1P241M
	Q 202		2SA1366
	D 101,103,104,110		1SS352
	D 102,105,108,202		MC2848-11
	D 106		RB520S-30
	D 107		UDZS5R1(B)
	D 109,301		MC2846-11
	D 201		RB501V-40
	D 471,472		DAN217
	D 951,952		UDZS5R6(B)

MISCELLANEOUS

Mark	No.	Description	Part No.
	L 101	CHIP SOLID INDUCTOR	QTL1013
	L 103,201	CHIP SOLID INDUCTOR	ATL7002
	L 301-318	CHIP SOLID INDUCTOR	QTL1013
	L 471,472	CHIP SOLID INDUCTOR	QTL1013
	L 552,561	CHIP SOLID INDUCTOR	QTL1013
	L 651,652	CHIP SOLID INDUCTOR	QTL1013
	L 751,752	CHIP SOLID INDUCTOR	QTL1013
	L 851,852	CHIP SOLID INDUCTOR	QTL1013
	L 901,951	CHIP SOLID INDUCTOR	QTL1013
	L 952	CHIP SOLID INDUCTOR	ATL7002
	JA 201	PIN JACK(2P)	AKB7173
	JA 202-205	OPT. LINK IN	AKS7001
	JA 207,208	OPT. LINK OUT	AKS7002
	JA 951	4P SOCKET	AKP7201
	X 101	RESONATOR	CSS1716
	X 201	CERAMIC RESONATOR	XSS3004
	X 301	CRYSTAL RESONATOR	XSS3003
	X 951	CRYSTAL RESONATOR	ASS7065
	CN 101,992	13P SOCKET	XKP3077
	CN 102	CONNECTOR	CKS3384
	CN 103	31P CONNECTOR	VKN1262
	CN 104	PLUG	CKS1760
	CN 201	CONNECTOR	CKS1755
	CN 202,203,991	PLUG	CKS1764
	CN 204	22P CONNECTOR	RKN1063
	CN 301	CONNECTOR	CKS3815
	CN 302	PLUG	CKS1762
	CN 303,304	26P PLUG	AKM7054

RESISTORS

Mark	No.	Description	Part No.
	R 103,111,114,117		RAB4CQ101J
	R 104,106,112,120		RS1/16S104J
	R 107,207		RS1/16S512J
	R 118,167,171		RS1/16S222J
	R 119,121,125,134		RAB4CQ101J
	R 122,126-128		RS1/16S104J
	R 124,147,152,154		RS1/16S473J
	R 130-133,137,138		RS1/16S104J
	R 142,201,205,213		RAB4CQ101J
	R 143,145,157,183		RS1/16S104J
	R 151,617,618,717		RS1/16S474J
	R 155,203,204,206		RS1/16S473J
	R 162,215,216,248		RS1/16S472J
	R 166,170		RS1/16S153J
	R 177,901,902		RS1/16S223J
	R 180,182		RS1/16S105J
	R 184,192,193		RS1/16S104J
	R 208,241,305-308		RS1/16S101J
	R 209,214,218,220		RS1/16S473J
	R 211		RS1/16S103J
	R 217,219,224,225		RAB4CQ101J
	R 229,236,321,919		RAB4CQ101J
	R 230,231,235,237		RS1/16S473J
	R 238,240,242,244		RS1/16S473J
	R 245,246		RAB4CQ473J
	R 247		RS1/16S473J
	R 249-251,261		RS1/16S104J
	R 265-269,275,489		RS1/16S104J
	R 280		RS1/16S182J
	R 301,302		RS1/16S750J
	R 303,304		RS1/16S220J
	R 323		RS1/16SS1802F
	R 352,356,359,458		RS1/16S0R0J
	R 381,564,664,764		RS1/16S274J
	R 437,444,452,964		RAB4CQ470J
	R 477,481-484,521		RS1/16S0R0J
	R 490,562,563,662		RS1/16S104J
	R 501-504,601-604		RS1/16S222J
	R 505,506,509,510		RS1/16S362J
	R 507,508,511,512		RS1/16S101J
	R 513-516		RS1/16S122J
	R 519,520,619,620		RS1/16S221J
	R 522,922,988		RS1/16S0R0J
	R 605,609,705,706		RS1/16S302J
	R 606,610		RS1/16S682J
	R 607,608,611,612		RS1/16S101J
	R 613,615,713-716		RS1/16S152J
	R 614,616		RS1/16S102J
	R 663,762,763,972		RS1/16S104J
	R 701-704,801-804		RS1/16S222J
	R 707,708,711,712		RS1/16S101J
	R 709,710,805,806		RS1/16S302J
	R 718,817,818,913		RS1/16S474J
	R 719,720,819,820		RS1/16S221J
	R 807,808,811,812		RS1/16S101J

Mark	No.	Description	Part No.
R	809,810,903,904		RS1/16S302J
R	813-816		RS1/16S152J
R	905,906		RS1/16S392J
R	907-910		RS1/16S332J
R	911,912		RS1/16S221J
R	914		RS1/16S474J
R	920		RS1/16S4R7J
R	971		RS1/16S101J
R	975,987		RS1/16S104J
Other Resistors			RS1/16SS###J

CAPACITORS

Mark	No.	Description	Part No.
C	102,106,110,115		CKSRYB104K16
C	103,509,510,609		CKSRYB472K50
C	104,107,963		CKSRYB105K16
C	108,213,375		CEHAZL101M10
C	111,113		CKSSYB103K16
C	112,114		CKSSYB153K16
C	116,117		CKSRYB473K16
C	118,481,482,607		CEAT100M50
C	119		CEAT471M6R3
C	120,122-127,201		CKSRYB104K16
C	121,301,302,478		CKSRYB103K50
C	128,203,206,212		CKSSYB104K10
C	129,317,321,326		CKSSYB471K50
C	204,205,208,210		CKSRYB104K16
C	209		CEAT331M10
C	211,374,472		CKSQYB225K10
C	215,216,218,227		CKSRYB104K16
C	217,219,228,377		CKSRYB471K50
C	221-226,316,320		CKSSYB104K10
C	303-308,310,311		CKSRYB104K16
C	309,473,556,656		CEAT101M16
C	312		CEJQ470M16
C	314,364,371,372		CKSRYB104K16
C	315,319		CEJQ101M6R3
C	322		CKSRYB474K10
C	323,324,957,958		CCSSCH100D50
C	325,327,329,331		CKSSYB104K10
C	328,330,332,334		CKSSYB471K50
C	333,335,337,339		CKSSYB104K10
C	336,338,340,342		CKSSYB471K50
C	341,343,345,346		CKSSYB104K10
C	344,350,352,354		CKSSYB471K50
C	347,348,476,553		CEAT101M10
C	349,351,353,357		CKSSYB104K10
C	358,360,362,379		CKSSYB471K50
C	359,361,378,954		CKSSYB104K10
C	373		CEHAZL221M10
C	376,474,477,554		CKSRYB104K16
C	479,555,563,655		CKSRYB103K50
C	501,502,601,602		CKSRYB102K50
C	503-506,603,605		CCSRCH331J50
C	511,512,611,612		CKSRYB104K25
C	557-559,561,654		CKSRYB104K16
C	560,653,660,753		CEAT101M10
C	604,606		CCSRCH221J50
C	608,707,708,807		CEAT100M50
C	610,709,710,809		CKSRYB472K50
C	657-659,661,754		CKSRYB104K16
C	663,755,763,855		CKSRYB103K50
C	701,702,801,802		CKSRYB102K50
C	703-706,803-806		CCSRCH331J50
C	711,712,811,812		CKSRYB104K25
C	756,856		CEAT101M16
C	757-759,761,854		CKSRYB104K16
C	760,853,860,960		CEAT101M10
C	808,907,908		CEAT100M50
C	810		CKSRYB472K50
C	857-859,861,917		CKSRYB104K16
C	863,905,906,921		CKSRYB103K50
C	901,902		CEAT220M50
C	903,904		CCSRCH391J50
C	909,910		CCSRCH471J50
C	916,918,951		CEAT470M16
C	919,920,952,956		CKSRYB104K16
C	922		CKSRYB103K50
C	955		CKSSYB104K10
C	961,991,996,998		CKSRYB104K16
C	962,997,999		CKSRYB471K50
C	989,990		CKSRYB102K50
C	992		CEAT101M10
C	994,995		CKSRYB104K25

M DSP ASSY

SEMICONDUCTORS

Mark	No.	Description	Part No.
IC	101		ADSP-21366KBCZ-1AA
IC	161,162		TC74VHC573FTS1
IC	163		TC7W139FU
IC	164		AYW7178
IC	165		TC7SH32FUS1
IC	171		CY7C1049D3310VXI
IC	201		DSPC56371AF180
IC	271		PDC163A8
IC	401		TC74VHC08FTS1
⚠ IC	511,521		PQ1LAX95MSPQ
⚠ IC	531		BD9107FVM
IC	751		TC7WHU04FU
Q	751		RT1N241M

MISCELLANEOUS

Mark	No.	Description	Part No.
L	101,102	CHIP SOLID INDUCTOR	QTL1013
L	161-164	CHIP SOLID INDUCTOR	QTL1013
L	171	CHIP SOLID INDUCTOR	QTL1013
L	201-203	CHIP SOLID INDUCTOR	QTL1013
L	271,401	CHIP SOLID INDUCTOR	QTL1013
L	530	CHIP BEADS	ATL7010
L	531	POWER INDUCTOR	ATH7047
L	751	CHIP SOLID INDUCTOR	QTL1013
X	751	CRYSTAL RESONATOR	VSS1171
CN	401,402	26P SOCKET	AKP7198

RESISTORS

Mark	No.	Description	Part No.
R	101-104,161-163		RAB4CQ470J
R	114,204,236		RAB4CQ101J
R	123,220		RAB4CQ220J
R	131,149		RAB4CQ472J
R	152		RS1/16S0R0J

Mark	No.	Description	Part No.
	R 219		RAB4CQ103J
	R 511		RS1/16SS2002F
	R 512,522		RS1/16SS1202F
	R 521		RS1/16SS1000F
	R 531		RS1/16SS9101F
	R 532		RS1/16SS1802F
	R 533		RS1/16SS1002F
	R 537		RS1/10S0R0J
	Other Resistors		RS1/16SS###J

CAPACITORS

Mark	No.	Description	Part No.
	C 101,103,105,107		CKSSYB471K50
	C 102,104,106,108		CKSSYB104K10
	C 109,111,113,115		CKSSYB471K50
	C 110,112,114,116		CKSSYB104K10
	C 117,127,401,753		CKSSYB471K50
	C 118,128,131,133		CKSSYB104K10
	C 135,137,139,141		CKSSYB104K10
	C 145,228		CKSSYB103K25
	C 151,183,231,232		CEVW101M16
	C 152		ACH7275
	C 161,163,165,168		CKSSYB104K10
	C 169,171,173,201		CKSSYB104K10
	C 203,205,207,209		CKSSYB104K10
	C 211,213,215,217		CKSSYB104K10
	C 219,221,223,271		CKSSYB104K10
	C 402,754		CKSSYB104K10
	C 501,531,711		CEVW101M16
	C 511		CKSQYB105K16
	C 512,521,522		CKSRYB105K10
	C 532,534		DCH1201
	C 533		CKSSYB102K50
	C 751,752		CCSSCH100D50

N INTERFACE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	IC 4301(A,269,181)	PROTECTOR(1.6A)	AEK7012
⚠	IC 4311(B,210,218)	REGULATOR IC	NJM2885DL1-05
	Q 4301(B,112,168)	CHIP TRANSISTOR	RSR015P03
	Q 4302(B,122,172)	TRANSISTOR	RT1N241M
	Q 4381(B,7,182)	TRANSISTOR(SC-70)	2SA1602A
	Q 4382(B,20,82)	TRANSISTOR(SC-70)	2SA1602A
	Q 4383(B,19,92)	TRANSISTOR	RT1N241M
	Q 4384(B,14,60)	TRANSISTOR(SC-70)	2SA1602A
	Q 4385(B,13,68)	TRANSISTOR	RT1N241M
	D 4301(B,6,48)	DIODE	1SS352
	D 4381(B,10,193)	DIODE	UDZS5R1(B)
	L 4351(B,201,236)	INDUCTOR	CTF1385
	L 4352(B,208,224)	INDUCTOR	CTF1385
	L 4353(B,135,221)	INDUCTOR	CTF1385
	L 4354(B,135,217)	INDUCTOR	CTF1385
	L 4355(B,133,221)	INDUCTOR	CTF1385
	L 4356(B,131,221)	INDUCTOR	CTF1385
	L 4357(B,132,217)	INDUCTOR	CTF1385
	L 4358(B,132,211)	INDUCTOR	CTF1385
	L 4359(B,129,211)	INDUCTOR	CTF1385
	L 4360(B,127,211)	INDUCTOR	CTF1385
	L 4361(B,35,236)	INDUCTOR	CTF1385
	L 4362(B,44,237)	INDUCTOR	CTF1385
	L 4363(B,34,236)	INDUCTOR	CTF1385
	L 4364(B,137,221)	INDUCTOR	CTF1385
	L 4365(B,139,217)	INDUCTOR	CTF1385
	L 4366(B,126,225)	INDUCTOR	CTF1385
	L 4381(B,29,191)	CHIP SOLID INDUCTOR	ATL7002
	J 4	4PJUMPER WIRE	D20PDD0420E
	J 4308(A,260,196)	CONNECTOR ASS'Y	PF11PG-R05
	J 4309(A,232,196)	CONNECTOR ASS'Y	PF08PG-R05
	KN 4301(A,151,218)	WRAPPING TERMINAL	VNF1084
	CN 4301(A,191,232)	13P PLUG	XKP3066
	CN 4302(A,184,232)	CONNECTOR	CKS1730
	CN 4303(A,150,232)	CONNECTOR	CKS1730
	CN 4304(A,119,232)	CONNECTOR	CKS1730
	CN 4305(A,76,232)	CONNECTOR	CKS1721
	CN 4306(A,58,232)	CONNECTOR	CKS1728
	CN 4307(A,16,230)	CONNECTOR	CKS3813
	CN 4308(A,79,207)	30P SOCKET	XKP3092
	CN 4309(A,41,207)	30P SOCKET	XKP3092
	CN 4310(A,192,183)	11P PLUG	XKP3065
	CN 4311(A,157,183)	PLUG	CKS1724
	CN 4312(A,119,183)	CONNECTOR	CKS1730
	CN 4313(A,67,183)	PLUG	CKS1724
	CN 4314(A,56,184)	17P PLUG	XKP3068
	CN 4315(A,15,185)	CONNECTOR(07P)	TUC-P07P-B1
	CN 4316(A,36,152)	17P PLUG	XKP3068
	CN 4317(A,35,128)	19P PLUG	XKP3069
	CN 4318(A,18,106)	CONNECTOR(06P)	TUC-P06P-B1
	CN 4319(A,34,73)	17P PLUG	XKP3068
	CN 4320(A,37,43)	23P PLUG	XKP3071
	CN 4321(A,225,228)	CONNECTOR	CKS3380
	Y 18 (A,9,199)	2P HOUSING WIRE ASSY	ADX7575
	4301(A,205,198)	4P CABLE HOLDER	51048-0400
	4302(A,28,197)	4P CABLE HOLDER	51048-0400
	4303(A,110,174)	PCB BINDER	VEF1040
	4304(A,5,5)	PCB BINDER	VEF1040
	Y 17	AWG14 BOARD IN	ADX7493
	Y 19 (A,18,203)	2P HOUSING WIRE ASSY	ADX7578
	4306(A,322,199)	PCB BINDER	VEF1040
	4305(A,224,197)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
	R 4301(B,116,168)		RS1/16S103J
	R 4302(B,121,168)		RS1/16S101J
	R 4303(B,291,189)		RS1/16S473J
	R 4304(B,291,183)		RS1/16S473J
	R 4371(B,117,219)		RS1/16S0R0J
	R 4372(B,117,221)		RS1/16S0R0J
	R 4381(B,8,176)		RS1/16S180J
	R 4382(B,8,178)		RS1/16S180J
	R 4383(B,8,187)		RS1/16S103J
	R 4384(B,10,189)		RS1/16S103J
	R 4385(B,24,84)		RS1/16S472J
	R 4386(B,19,87)		RS1/16S472J
	R 4387(B,14,64)		RS1/16S472J
	R 4388(B,18,65)		RS1/16S472J

CAPACITORS

Mark	No.	Description	Part No.
	C 4301(A,295,191)		CEAT2R2M50
	C 4302(A,295,185)		CEAT2R2M50

Mark	No.	Description	Part No.
	C 4303(A,134,198)	ELECTR. CAPACITOR	CEAL470M25
	C 4304(A,151,201)	ELECTR. CAPACITOR	CEAL470M25
	C 4308(B,110,210)		CKSRYB103K50
	C 4311(B,205,213)		CKSRYB474K10
	C 4312(B,202,219)		CKSQYB225K10
	C 4330(B,153,223)		CKSRYB103K50
	C 4331(B,151,223)		CKSRYB471K50
	C 4361(B,21,227)		CKSRYB102K50
	C 4362(B,12,208)		CKSRYB102K50
	C 4365(B,20,208)		CKSRYB102K50
	C 4366(B,38,213)		CKSRYB102K50
	C 4367(B,26,189)		CKSRYB104K16
	C 4368(B,16,158)		CKSRYB104K16
	C 4369(B,18,161)		CKSRYB104K16
	C 4382(B,10,191)		CKSRYB104K16

O POWER AMP IN ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	Q 5601(B,61,180)	CHIP TRANSISTOR	2SD2704K
	Q 5602(B,41,219)	TRANSISTOR	IMT4
	Q 5603(B,45,207)	CHIP TRANSISTOR	2SA1514K
	Q 5604(A,28,206)	TRANSISTOR	2SA1145
	Q 5605(A,30,225)	TRANSISTOR	2SC2705
	Q 5641(B,15,213)	CHIP TR	2SA1255
	D 5601(B,38,205)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5602(B,38,207)	DIODE	1SS355
	D 5603(B,26,222)	DIODE	1SS355
	D 5604(B,28,212)	DIODE	1SS355
	D 5605(B,28,218)	DIODE	UDZS4R7(B)
	D 5606(B,26,212)	DIODE	UDZS4R7(B)
	D 5641(B,11,229)	DIODE	1SS355
	D 5642(B,13,229)	DIODE	1SS355
	D 5643(B,9,229)	DIODE	1SS355
	D 5644(B,45,238)	DIODE	1SS355
	CN 5601(A,71,233)	13P PLUG	XKP3066
	CN 5602(A,56,199)	13P PLUG	XKP3066
	CN 5603(A,74,131)	19P CONNECTOR	52044-1945
	CN 5605(A,47,233)	SOCKET 7-P	KP250NA7
	CN 5606(A,32,199)	SOCKET 7-P	KP250NA7
	5604(A,7,215)	5P CABLE HOLDER	51048-0500

RESISTORS

Mark	No.	Description	Part No.
	R 5601(B,58,178)		RS1/16S102J
	R 5602(B,48,212)		RS1/16S221J
	R 5603(B,48,216)		RS1/16S333J
	R 5604(B,58,182)		RS1/16S103J
	R 5605(B,41,213)		RS1/16S152J
	R 5606(B,38,217)		RS1/16S821J
	R 5607(B,44,203)		RS1/16S2001F
	R 5608(B,43,212)		RS1/16S682J
	R 5609(A,36,214)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5610(B,32,202)		RS1/16S151J
	R 5611(B,29,203)		RN1/16SE1201D
	R 5612(B,31,230)		RS1/16S221J
⚠	R 5623(A,69,206)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5624(A,56,217)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5627(A,20,225)	RESISTOR (0.18, 5W)	ACN7121
	R 5629(B,43,224)		RN1/10SE3302D
	R 5630(B,45,220)		RN1/16SE1001D
	R 5631(B,47,220)		RN1/16SE1500D
	R 5632(B,29,229)		RS1/16S151J
	R 5641(B,7,229)		RS1/16S473J
	R 5642(B,13,195)		RS1/16S223J
	R 5643(B,15,230)		RS1/16S471J
	R 5644(B,15,195)		RS1/16S471J
	R 5645(B,11,235)		RS1/16S472J
	R 5646(B,13,235)		RS1/16S472J
	R 5647(B,15,208)		RS1/16S122J
	R 5648(B,48,238)		RS1/16S154J
	R 5649(B,50,235)		RS1/16S103J
	R 5650(B,52,235)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
	C 5601(A,51,212)		CEAT4R7M50
	C 5602(B,46,216)		CCSRCH221J50
	C 5604(B,39,213)		CKSRYB102K50
	C 5607(A,41,203)		CEAT101M10
	C 5608(B,35,228)	CAPACITOR(CERAMIC)	ACG7057
	C 5609(A,31,210)	ELECT. CAPACITOR	CEAT100M2A
	C 5615(B,47,225)		CCSRCH220J50
	C 5616(B,45,225)		CCSRCH220J50
	C 5617(A,50,221)		CEAT331M10
	C 5623(A,67,209)		CEAT100M63
	C 5624(A,63,225)		CEAT100M63
	C 5632(B,28,233)		CKSRYB224K16
	C 5641(A,13,199)		CEANP2R2M50

P POWER PROTECT ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	IC 5701(B,17,153)	OP-AMP IC	BA4560RF
	Q 5701(B,10,107)	TRANSISTOR	RT1N241M
	Q 5702(B,20,107)	DIGITAL TR(SC-70)	RT1P241M
	Q 5704(B,16,166)	TRANSISTOR	2SC4081
	Q 5705(B,13,107)	TRANSISTOR	RT1N241M
	D 5701(B,26,166)	DIODE	1SS355
	CN 5701(A,8,97)	11P PLUG	XKP3065
	CN 5702(A,21,131)	11P PLUG	XKP3065
	CN 5703(A,46,178)	19P CONNECTOR	52044-1945
	CN 5704(A,17,181)	CONNECTOR	S5B-PH
	CN 5705(A,19,39)	17P CONNECTOR	52044-1745

RESISTORS

Mark	No.	Description	Part No.
	R 5701(B,13,118)		RS1/16S332J
	R 5702(B,16,118)		RS1/16S332J
	R 5703(B,27,88)		RS1/16S473J
	R 5704(B,27,81)		RS1/16S0R0J
	R 5707(B,20,88)		RS1/16S473J
	R 5709(B,22,81)		RS1/16S0R0J
	R 5710(B,21,149)		RS1/16S223J
	R 5711(B,21,153)		RS1/16S103J
	R 5712(B,12,155)		RS1/16S472J
	R 5713(B,21,158)		RS1/16S103J
	R 5714(B,13,139)		RS1/16S102J
	R 5715(B,8,166)		RS1/16S473J
	R 5716(B,13,166)		RS1/16S472J
	R 5717(B,19,166)		RS1/16S103J
	R 5720(B,21,166)		RS1/16S103J

Mark	No.	Description	Part No.
R	5721(B,24,166)		RS1/16S683J
R	5746(B,17,88)		RS1/16S0R0J
R	5747(B,18,107)		RS1/16S0R0J
R	5750(B,26,161)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	5701(B,25,88)		CKSRYB104K50
C	5702(B,22,88)		CKSRYB104K50
C	5703(B,24,158)		CKSRYB104K50
C	5704(B,12,151)		CKSRYB104K50
C	5705(B,11,166)		CKSRYB223K50
C	5706(B,14,44)		CKSRYB103K50

Q POWER AMP L ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	5001(A,169,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5002(A,209,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5101(A,105,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5102(A,137,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5201(A,249,134)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5202(A,281,134)	DARLINGTON POWER IC	SAP17P(OY)
⚠ IC	5601(A,313,134)	DARLINGTON POWER IC	SAP17N(OY)
Q	5001(B,193,207)	CHIP TRANSISTOR	2SD2704K
Q	5002(B,181,194)	TRANSISTOR	IMT4
Q	5003(B,194,198)	CHIP TRANSISTOR	2SA1514K
Q	5004(A,192,184)	TRANSISTOR	2SA1145
Q	5005(A,168,192)	TRANSISTOR	2SC2705
Q	5041(B,156,195)	CHIP TR	2SA1255
Q	5101(B,136,207)	CHIP TRANSISTOR	2SD2704K
Q	5102(B,124,194)	TRANSISTOR	IMT4
Q	5103(B,137,198)	CHIP TRANSISTOR	2SA1514K
Q	5104(A,135,184)	TRANSISTOR	2SA1145
Q	5105(A,112,192)	TRANSISTOR	2SC2705
Q	5141(B,100,202)	CHIP TR	2SA1255
Q	5201(B,274,206)	CHIP TRANSISTOR	2SD2704K
Q	5202(B,262,193)	TRANSISTOR	IMT4
Q	5203(B,275,197)	CHIP TRANSISTOR	2SA1514K
Q	5204(A,273,183)	TRANSISTOR	2SA1145
Q	5205(A,250,191)	TRANSISTOR	2SC2705
Q	5241(B,238,197)	CHIP TR	2SA1255
D	5001(B,197,188)	CHIP ZENER DIODE	UDZS3R6(B)
D	5002(B,195,188)	DIODE	1SS355
D	5003(B,187,183)	DIODE	1SS355
D	5004(B,179,183)	DIODE	1SS355
D	5005(B,184,183)	DIODE	UDZS4R7(B)
D	5006(B,182,183)	DIODE	UDZS4R7(B)
D	5041(B,156,174)	DIODE	1SS355
D	5042(B,158,174)	DIODE	1SS355
D	5043(B,158,203)	DIODE	1SS355
D	5044(B,161,170)	DIODE	1SS355
D	5101(B,141,188)	CHIP ZENER DIODE	UDZS3R6(B)
D	5102(B,139,188)	DIODE	1SS355
D	5103(B,130,183)	DIODE	1SS355
D	5104(B,123,183)	DIODE	1SS355
D	5105(B,128,183)	DIODE	UDZS4R7(B)
D	5106(B,125,183)	DIODE	UDZS4R7(B)
D	5141(B,93,187)	DIODE	1SS355
D	5142(B,96,187)	DIODE	1SS355
D	5143(B,103,205)	DIODE	1SS355
D	5144(B,104,182)	DIODE	1SS355
D	5201(B,279,187)	CHIP ZENER DIODE	UDZS3R6(B)
D	5202(B,276,187)	DIODE	1SS355
D	5203(B,268,181)	DIODE	1SS355
D	5204(B,261,181)	DIODE	1SS355
D	5205(B,266,181)	DIODE	UDZS4R7(B)
D	5206(B,263,181)	DIODE	UDZS4R7(B)
D	5241(B,238,173)	DIODE	1SS355
D	5242(B,240,173)	DIODE	1SS355
D	5243(B,240,202)	DIODE	1SS355
D	5244(B,242,173)	DIODE	1SS355
⚠ TH	5001(A,160,229)	POSISTOR	PTFM04BC222Q2N34B0
CN	5001(A,320,205)	13P SOCKET	XKP3077
CN	5002(A,86,219)	11P SOCKET	XKP3076
CN	5003(A,313,196)	7-P PLUG	KM250NA7L

RESISTORS

Mark	No.	Description	Part No.
R	5001(B,199,202)		RS1/16S102J
R	5002(B,187,202)		RS1/16S221J
R	5003(B,184,203)		RS1/16S333J
R	5004(B,199,205)		RS1/16S103J
R	5005(B,177,192)		RS1/16S152J
R	5006(B,170,200)		RS1/16S821J
R	5007(B,197,197)		RS1/16S2001F
R	5008(B,186,194)		RS1/16S682J
R	5009(A,189,193)	CARBON FILM RESISTOR	RD1/2VM473J
R	5010(B,197,183)		RS1/16S151J
R	5011(B,195,184)		RN1/16SE1201D
R	5012(B,169,197)		RS1/16S221J
⚠ R	5013(B,183,150)		RS1/16S330J
R	5021(B,176,153)		RS1/16S101J
R	5022(B,190,153)		RS1/16S101J
⚠ R	5023(A,198,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5024(A,168,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5025(B,163,156)	CHIP RESISTOR	ACN7132
⚠ R	5026(B,200,156)	CHIP RESISTOR	ACN7132
⚠ R	5027(A,192,166)	RESISTOR (0.18, 5W)	ACN7121
R	5029(B,174,203)		RN1/10SE3302D
R	5030(B,180,203)		RN1/16SE1001D
R	5031(B,180,205)		RN1/16SE1500D
R	5032(B,167,196)		RS1/16S151J
R	5041(B,154,169)		RS1/16S473J
R	5042(B,156,169)		RS1/16S223J
R	5043(B,152,169)		RS1/16S471J
R	5044(B,158,169)		RS1/16S471J
R	5045(B,158,179)		RS1/16S472J
R	5046(B,161,179)		RS1/16S472J
R	5047(B,157,187)		RS1/16S122J
R	5048(B,158,183)		RS1/16S154J
R	5049(B,161,183)		RS1/16S103J
R	5050(B,160,187)		RS1/16S103J
R	5101(B,143,202)		RS1/16S102J
R	5102(B,130,202)		RS1/16S221J
R	5103(B,127,203)		RS1/16S333J
R	5104(B,143,205)		RS1/16S103J
R	5105(B,120,192)		RS1/16S152J
R	5106(B,114,200)		RS1/16S821J
R	5107(B,141,197)		RS1/16S2001F

Mark	No.	Description	Part No.
R	5108(B,130,194)		RS1/16S682J
R	5109(A,133,193)	CARBON FILM RESISTOR	RD1/2VM473J
R	5110(B,141,183)		RS1/16S151J
R	5111(B,139,184)		RN1/16SE1201D
R	5112(B,113,197)		RS1/16S221J
⚠ R	5113(B,115,150)		RS1/16S330J
R	5121(B,108,153)		RS1/16S101J
R	5122(B,129,150)		RS1/16S101J
⚠ R	5123(A,142,166)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5124(A,111,176)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5125(B,99,156)	CHIP RESISTOR	ACN7132
⚠ R	5126(B,136,156)	CHIP RESISTOR	ACN7132
⚠ R	5127(A,136,166)	RESISTOR (0.18, 5W)	ACN7121
R	5129(B,117,203)		RN1/10SE3302D
R	5130(B,123,203)		RN1/16SE1001D
R	5131(B,123,205)		RN1/16SE1500D
R	5132(B,110,196)		RS1/16S151J
R	5141(B,97,182)		RS1/16S473J
R	5142(B,99,182)		RS1/16S223J
R	5143(B,95,182)		RS1/16S471J
R	5144(B,102,182)		RS1/16S471J
R	5145(B,100,187)		RS1/16S472J
R	5146(B,102,187)		RS1/16S472J
R	5147(B,99,195)		RS1/16S122J
R	5148(B,100,191)		RS1/16S154J
R	5149(B,102,191)		RS1/16S103J
R	5150(B,102,195)		RS1/16S103J
R	5201(B,281,201)		RS1/16S102J
R	5202(B,268,201)		RS1/16S221J
R	5203(B,265,202)		RS1/16S333J
R	5204(B,281,204)		RS1/16S103J
R	5205(B,258,191)		RS1/16S152J
R	5206(B,252,199)		RS1/16S821J
R	5207(B,279,196)		RS1/16S2001F
R	5208(B,268,193)		RS1/16S682J
R	5209(A,271,192)	CARBON FILM RESISTOR	RD1/2VM473J
R	5210(B,278,183)		RS1/16S151J
R	5211(B,276,183)		RN1/16SE1201D
R	5212(B,251,196)		RS1/16S221J
⚠ R	5213(B,259,149)		RS1/16S330J
R	5221(B,251,153)		RS1/16S101J
R	5222(B,269,153)		RS1/16S101J
⚠ R	5223(A,280,164)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5224(A,250,175)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5225(B,238,156)	CHIP RESISTOR	ACN7132
⚠ R	5226(B,279,156)	CHIP RESISTOR	ACN7132
⚠ R	5227(A,274,165)	RESISTOR (0.18, 5W)	ACN7121
R	5229(B,255,202)		RN1/10SE3302D
R	5230(B,261,202)		RN1/16SE1001D
R	5231(B,261,204)		RN1/16SE1500D
R	5232(B,248,195)		RS1/16S151J
R	5241(B,237,169)		RS1/16S473J
R	5242(B,239,169)		RS1/16S223J
R	5243(B,235,169)		RS1/16S471J
R	5244(B,241,169)		RS1/16S471J
R	5245(B,240,180)		RS1/16S472J
R	5246(B,242,180)		RS1/16S472J
R	5247(B,240,189)		RS1/16S122J
R	5248(B,237,180)		RS1/16S154J
R	5249(B,242,184)		RS1/16S103J
R	5250(B,240,184)		RS1/16S103J
⚠ R	5292(B,300,156)	CHIP RESISTOR	ACN7132
⚠ R	5613(B,314,153)		RS1/16S330J
R	5621(B,308,151)		RS1/16S101J

CAPACITORS

C	5001(A,190,203)		CEAT4R7M50
C	5002(B,184,200)		CCSRCH221J50
C	5004(B,174,197)		CKSRYB102K50
C	5007(A,202,193)		CEAT101M10
C	5008(B,171,197)	CAPACITOR(CERAMIC)	ACG7057
C	5009(A,186,188)	ELECT. CAPACITOR	CEAT100M2A
C	5011(B,169,142)	CAPACITOR(CERAMIC)	ACG7056
C	5012(B,197,142)	CAPACITOR(CERAMIC)	ACG7056
C	5015(B,175,205)		CCSRCH220J50
C	5016(B,175,207)		CCSRCH220J50
C	5017(A,179,207)		CEAT331M10
C	5023(A,197,180)		CEAT100M63
C	5024(A,173,186)		CEAT100M63
C	5032(B,166,199)		CKSRYB224K16
C	5041(A,155,190)		CEANP2R2M50
C	5051(A,219,183)	ELECT. CAPACITOR	CEAT100M2A
C	5052(A,223,177)	ELECT. CAPACITOR	CEAT100M2A
C	5101(A,133,203)		CEAT4R7M50
C	5102(B,127,200)		CCSRCH221J50
C	5104(B,117,197)		CKSRYB102K50
C	5107(A,145,193)		CEAT101M10
C	5108(B,115,197)	CAPACITOR(CERAMIC)	ACG7057
C	5109(A,129,188)	ELECT. CAPACITOR	CEAT100M2A
C	5111(B,101,142)	CAPACITOR(CERAMIC)	ACG7056
C	5112(B,130,142)	CAPACITOR(CERAMIC)	ACG7056
C	5115(B,119,205)		CCSRCH220J50
C	5116(B,119,207)		CCSRCH220J50
C	5117(A,123,207)		CEAT331M10
C	5123(A,141,180)		CEAT100M63
C	5124(A,116,186)		CEAT100M63
C	5132(B,110,199)		CKSRYB224K16
C	5141(A,96,198)		CEANP2R2M50
C	5201(A,271,202)		CEAT4R7M50
C	5202(B,265,199)		CCSRCH221J50
C	5204(B,255,196)		CKSRYB102K50
C	5207(A,283,192)		CEAT101M10
C	5208(B,253,196)	CAPACITOR(CERAMIC)	ACG7057
C	5209(A,267,187)	ELECT. CAPACITOR	CEAT100M2A
C	5211(B,244,142)	CAPACITOR(CERAMIC)	ACG7056
C	5212(B,275,142)	CAPACITOR(CERAMIC)	ACG7056
C	5215(B,257,204)		CCSRCH220J50
C	5216(B,257,206)		CCSRCH220J50
C	5217(A,261,206)		CEAT331M10
C	5223(A,287,181)		CEAT100M63
C	5224(A,255,185)		CEAT100M63
C	5232(B,248,198)		CKSRYB224K16
C	5241(A,237,192)		CEANP2R2M50
C	5611(B,307,142)	CAPACITOR(CERAMIC)	ACG7056

R POWER AMP R ASSY

MISCELLANEOUS

⚠ IC	5301(A,197,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠ IC	5302(A,157,112)	DARLINGTON POWER IC	SAP17P(OY)

Mark	No.	Description	Part No.
⚠	IC 5401(A,125,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5402(A,93,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5501(A,269,112)	DARLINGTON POWER IC	SAP17N(OY)
⚠	IC 5502(A,237,112)	DARLINGTON POWER IC	SAP17P(OY)
⚠	IC 5602(A,301,112)	DARLINGTON POWER IC	SAP17P(OY)
	Q 5301(B,196,38)	CHIP TRANSISTOR	2SD2704K
	Q 5302(B,187,52)	TRANSISTOR	IMT4
	Q 5303(B,173,49)	CHIP TRANSISTOR	2SA1514K
	Q 5304(A,176,63)	TRANSISTOR	2SA1145
	Q 5305(A,199,49)	TRANSISTOR	2SC2705
	Q 5341(B,152,48)	CHIP TR	2SA1255
	Q 5401(B,132,38)	CHIP TRANSISTOR	2SD2704K
	Q 5402(B,126,52)	TRANSISTOR	IMT4
	Q 5403(B,113,48)	CHIP TRANSISTOR	2SA1514K
	Q 5404(A,119,64)	TRANSISTOR	2SA1145
	Q 5405(A,139,49)	TRANSISTOR	2SC2705
	Q 5441(B,94,46)	CHIP TR	2SA1255
	Q 5501(B,285,38)	CHIP TRANSISTOR	2SD2704K
	Q 5502(B,276,52)	TRANSISTOR	IMT4
	Q 5503(B,262,49)	CHIP TRANSISTOR	2SA1514K
	Q 5504(A,260,63)	TRANSISTOR	2SA1145
	Q 5505(A,288,49)	TRANSISTOR	2SC2705
	Q 5541(B,239,49)	CHIP TR	2SA1255
	Q 5571(B,225,38)	TRANSISTOR	2SC4081
	Q 5572(B,222,38)	TRANSISTOR	2SC4081
	D 5301(B,171,57)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5302(B,173,59)	DIODE	1SS355
	D 5303(B,181,64)	DIODE	1SS355
	D 5304(B,187,64)	DIODE	1SS355
	D 5305(B,183,64)	DIODE	UDZS4R7(B)
	D 5306(B,185,64)	DIODE	UDZS4R7(B)
	D 5341(B,153,67)	DIODE	1SS355
	D 5342(B,151,67)	DIODE	1SS355
	D 5343(B,151,44)	DIODE	1SS355
	D 5344(B,155,70)	DIODE	1SS355
	D 5401(B,114,59)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5402(B,116,60)	DIODE	1SS355
	D 5403(B,124,64)	DIODE	1SS355
	D 5404(B,130,64)	DIODE	1SS355
	D 5405(B,126,64)	DIODE	UDZS4R7(B)
	D 5406(B,128,64)	DIODE	UDZS4R7(B)
	D 5441(B,93,58)	DIODE	1SS355
	D 5442(B,90,58)	DIODE	1SS355
	D 5443(B,94,40)	DIODE	1SS355
	D 5444(B,111,79)	DIODE	1SS355
	D 5501(B,255,57)	CHIP ZENER DIODE	UDZS3R6(B)
	D 5502(B,257,59)	DIODE	1SS355
	D 5503(B,265,64)	DIODE	1SS355
	D 5504(B,271,64)	DIODE	1SS355
	D 5505(B,267,64)	DIODE	UDZS4R7(B)
	D 5506(B,269,64)	DIODE	UDZS4R7(B)
	D 5541(B,240,71)	DIODE	1SS355
	D 5542(B,238,71)	DIODE	1SS355
	D 5543(B,242,46)	DIODE	1SS355
	D 5544(B,242,73)	DIODE	1SS355
⚠	TH 5301(A,166,17)	POSISTOR	PTFM04BC222Q2N34B0
	CN 5301(A,320,26)	13P SOCKET	XKP3077
	CN 5302(A,86,40)	11P SOCKET	XKP3076
	CN 5303(A,313,66)	7-P PLUG	KM250NA7L

RESISTORS

Mark	No.	Description	Part No.
	R 5301(B,203,43)		RS1/16S102J
	R 5302(B,191,42)		RS1/16S221J
	R 5303(B,187,41)		RS1/16S333J
	R 5304(B,203,40)		RS1/16S103J
	R 5305(B,194,55)		RS1/16S152J
	R 5306(B,194,52)		RS1/16S821J
	R 5307(B,169,48)		RS1/16S2001F
	R 5308(B,180,52)		RS1/16S682J
	R 5309(A,177,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5310(B,171,64)		RS1/16S151J
	R 5311(B,173,63)		RN1/16SE1201D
	R 5312(B,202,52)		RS1/16S221J
⚠	R 5313(B,183,97)		RS1/16S330J
	R 5321(B,190,93)		RS1/16S101J
	R 5322(B,176,93)		RS1/16S101J
⚠	R 5323(A,163,72)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5324(A,198,83)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5325(B,203,90)	CHIP RESISTOR	ACN7132
⚠	R 5326(B,166,91)	CHIP RESISTOR	ACN7132
⚠	R 5327(A,174,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5329(B,179,45)		RN1/10SE3302D
	R 5330(B,183,46)		RN1/16SE1001D
	R 5331(B,183,43)		RN1/16SE1500D
	R 5332(B,203,49)		RS1/16S151J
	R 5341(B,153,77)		RS1/16S473J
	R 5342(B,151,77)		RS1/16S223J
	R 5343(B,153,73)		RS1/16S471J
	R 5344(B,151,73)		RS1/16S471J
	R 5345(B,152,60)		RS1/16S472J
	R 5346(B,150,60)		RS1/16S472J
	R 5347(B,147,58)		RS1/16S122J
	R 5348(B,151,55)		RS1/16S154J
	R 5349(B,151,57)		RS1/16S103J
	R 5350(B,156,46)		RS1/16S103J
	R 5401(B,138,43)		RS1/16S102J
	R 5402(B,126,42)		RS1/16S221J
	R 5403(B,123,41)		RS1/16S333J
	R 5404(B,138,40)		RS1/16S103J
	R 5405(B,134,55)		RS1/16S152J
	R 5406(B,134,52)		RS1/16S821J
	R 5407(B,109,48)		RS1/16S2001F
	R 5408(B,120,52)		RS1/16S682J
	R 5409(A,117,48)	CARBON FILM RESISTOR	RD1/2VM473J
	R 5410(B,114,65)		RS1/16S151J
	R 5411(B,116,64)		RN1/16SE1201D
	R 5412(B,141,52)		RS1/16S221J
⚠	R 5413(B,115,97)		RS1/16S330J
	R 5421(B,128,93)		RS1/16S101J
	R 5422(B,108,93)		RS1/16S101J
⚠	R 5423(A,111,75)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5424(A,142,83)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠	R 5425(B,135,91)	CHIP RESISTOR	ACN7132
⚠	R 5426(B,96,91)	CHIP RESISTOR	ACN7132
⚠	R 5427(A,118,80)	RESISTOR (0.18, 5W)	ACN7121
	R 5429(B,114,44)		RN1/10SE3302D
	R 5430(B,118,45)		RN1/16SE1001D
	R 5431(B,118,43)		RN1/16SE1500D
	R 5432(B,143,49)		RS1/16S151J

Mark	No.	Description	Part No.
R	5441(B,99,85)		RS1/16S473J
R	5442(B,97,85)		RS1/16S223J
R	5443(B,101,85)		RS1/16S471J
R	5444(B,95,85)		RS1/16S471J
R	5445(B,91,52)		RS1/16S472J
R	5446(B,91,50)		RS1/16S472J
R	5447(B,90,46)		RS1/16S122J
R	5448(B,94,51)		RS1/16S154J
R	5449(B,96,51)		RS1/16S103J
R	5450(B,98,46)		RS1/16S103J
R	5501(B,292,43)		RS1/16S102J
R	5502(B,280,42)		RS1/16S221J
R	5503(B,276,41)		RS1/16S333J
R	5504(B,292,40)		RS1/16S103J
R	5505(B,283,55)		RS1/16S152J
R	5506(B,283,52)		RS1/16S821J
R	5507(B,258,48)		RS1/16S2001F
R	5508(B,269,52)		RS1/16S682J
R	5509(A,266,48)	CARBON FILM RESISTOR	RD1/2VM473J
R	5510(B,255,63)		RS1/16S151J
R	5511(B,257,63)		RN1/16SE1201D
R	5512(B,290,52)		RS1/16S221J
⚠ R	5513(B,259,97)		RS1/16S330J
R	5521(B,270,94)		RS1/16S101J
R	5522(B,251,93)		RS1/16S101J
⚠ R	5523(A,247,69)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5524(A,283,82)	CARBON FILM RESISTOR	RD1/4MUF4R7J
⚠ R	5525(B,277,91)	CHIP RESISTOR	ACN7132
⚠ R	5526(B,238,91)	CHIP RESISTOR	ACN7132
⚠ R	5527(A,258,80)	RESISTOR (0.18, 5W)	ACN7121
R	5529(B,268,45)		RN1/10SE3302D
R	5530(B,272,46)		RN1/16SE1001D
R	5531(B,272,43)		RN1/16SE1500D
R	5532(B,292,49)		RS1/16S151J
R	5541(B,241,77)		RS1/16S473J
R	5542(B,235,77)		RS1/16S223J
R	5543(B,239,77)		RS1/16S471J
R	5544(B,237,77)		RS1/16S471J
R	5545(B,240,64)		RS1/16S472J
R	5546(B,238,64)		RS1/16S472J
R	5547(B,238,57)		RS1/16S122J
R	5548(B,235,68)		RS1/16S154J
R	5549(B,235,64)		RS1/16S103J
R	5550(B,245,45)		RS1/16S103J
R	5571(B,228,38)		RS1/16S472J
⚠ R	5592(B,301,91)	CHIP RESISTOR	ACN7132
R	5622(B,308,96)		RS1/16S101J

CAPACITORS

Mark	No.	Description	Part No.
C	5301(A,194,43)		CEAT4R7M50
C	5302(B,187,43)		CCSRCH221J50
C	5304(B,198,55)		CKSRYB102K50
C	5307(A,164,52)		CEAT101M10
C	5308(B,198,52)	CAPACITOR(CERAMIC)	ACG7057
C	5309(A,181,58)	ELECT. CAPACITOR	CEAT100M2A
C	5311(B,197,104)	CAPACITOR(CERAMIC)	ACG7056
C	5312(B,170,104)	CAPACITOR(CERAMIC)	ACG7056
C	5315(B,179,43)		CCSRCH220J50
C	5316(B,174,43)		CCSRCH220J50
C	5317(A,179,39)		CEAT331M10
C	5323(A,160,63)		CEAT100M63
C	5324(A,191,61)		CEAT100M63
C	5332(B,204,52)		CKSRYB224K16
C	5341(A,147,62)		CEANP2R2M50
C	5351(A,228,68)	ELECT. CAPACITOR	CEAT100M2A
C	5352(A,224,62)	ELECT. CAPACITOR	CEAT100M2A
C	5401(A,129,43)		CEAT4R7M50
C	5402(B,123,43)		CCSRCH221J50
C	5404(B,138,55)		CKSRYB102K50
C	5407(A,105,52)		CEAT101M10
C	5408(B,138,52)	CAPACITOR(CERAMIC)	ACG7057
C	5409(A,125,59)	ELECT. CAPACITOR	CEAT100M2A
C	5411(B,130,104)	CAPACITOR(CERAMIC)	ACG7056
C	5412(B,101,104)	CAPACITOR(CERAMIC)	ACG7056
C	5415(B,114,42)		CCSRCH220J50
C	5416(B,109,43)		CCSRCH220J50
C	5417(A,114,39)		CEAT331M10
C	5423(A,107,61)		CEAT100M63
C	5424(A,135,61)		CEAT100M63
C	5432(B,143,52)		CKSRYB224K16
C	5441(A,87,45)		CEANP2R2M50
C	5501(A,283,43)		CEAT4R7M50
C	5502(B,276,43)		CCSRCH221J50
C	5504(B,287,55)		CKSRYB102K50
C	5507(A,253,52)		CEAT101M10
C	5508(B,287,52)	CAPACITOR(CERAMIC)	ACG7057
C	5509(A,265,58)	ELECT. CAPACITOR	CEAT100M2A
C	5511(B,272,104)	CAPACITOR(CERAMIC)	ACG7056
C	5512(B,245,104)	CAPACITOR(CERAMIC)	ACG7056
C	5515(B,268,43)		CCSRCH220J50
C	5516(B,263,43)		CCSRCH220J50
C	5517(A,268,39)		CEAT331M10
C	5523(A,244,59)		CEAT100M63
C	5524(A,280,61)		CEAT100M63
C	5532(B,293,52)		CKSRYB224K16
C	5541(A,238,54)		CEANP2R2M50
C	5571(A,231,35)		CEAT331M10
C	5612(B,307,104)	CAPACITOR(CERAMIC)	ACG7056

S LOCAL SUPPLY ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	6101(A,149,69)	IC	NJM78M06FA
⚠ IC	6102(A,149,19)	REGULATOR IC	NJM78M56FA
⚠ IC	6103(A,11,64)	REGULATOR IC	NJM78M12FA
⚠ IC	6104(A,11,39)	REGULATOR IC	NJM78M12FA
⚠ IC	6105(A,149,44)	IC	NJM79M05FA
⚠ IC	6106(A,11,14)	REGULATOR IC	NJM79M12FA
⚠ D	6101(A,111,50)	DIODE	D3SBA20(B)
⚠ D	6102(B,65,61)	DIODE	1SR154-400
⚠ D	6103(B,56,61)	DIODE	1SR154-400
⚠ D	6104(B,61,61)	DIODE	1SR154-400
D	6105(B,86,72)	DIODE	UDZS6R2(B)
D	6106(B,88,77)	DIODE	UDZS6R2(B)
D	6107(B,85,77)	DIODE	UDZS6R2(B)
D	6108(B,94,80)	DIODE	UDZS6R2(B)
D	6109(B,88,90)	DIODE	UDZS6R2(B)
D	6111(B,140,68)	CHIP DIODE	RB501V-40
D	6115(B,26,71)	CHIP DIODE	RB501V-40

Mark	No.	Description	Part No.
D	6121(B,141,10)	CHIP DIODE	RB501V-40
⚠ D	6122(B,59,39)	DIODE	1SR154-400
⚠ D	6123(B,63,39)	DIODE	1SR154-400
D	6124(B,142,39)	CHIP DIODE	RB501V-40
D	6125(B,149,50)	DIODE	1SS352
D	6126(B,18,43)	CHIP DIODE	RB501V-40
⚠ D	6127(B,63,26)	DIODE	1SR154-400
⚠ D	6128(B,59,26)	DIODE	1SR154-400
D	6129(B,18,16)	CHIP DIODE	RB501V-40
J	2	JUMPER WIRE	D20PDY0415E
J	6104(A,70,95)	CONNECTOR ASS'Y	PF05PG-Q12
CN	6101(A,112,73)	PLUG(12P)	KM200NA12
CN	6103(A,91,93)	6P JUMPER CONNECTOR	52147-0610
CN	6105(A,60,8)	PLUG(8P)	KM200NA8
CN	6106(A,87,8)	PLUG(11P)	KM200NA11
	6102(A,121,89)	4P CABLE HOLDER	51048-0400
	6101	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	6101(B,75,71)		RS1/16S473J
⚠ R	6103(A,76,77)	CARBON FILM RESISTOR	RD1/4MUF391J

CAPACITORS

Mark	No.	Description	Part No.
C	6101(A,120,76)	FILM CAPACITOR	CQMBA104J50
C	6103(B,95,89)		CKSRYB103K50
C	6105(B,146,72)		CKSRYB103K50
C	6110(B,145,22)		CKSRYB103K50
C	6111(B,142,46)		CKSRYB103K50
C	6112(B,14,63)		CKSRYB103K50
C	6115(B,15,37)		CKSRYB103K50
C	6116(B,14,11)		CKSRYB103K50
C	6117(A,63,52)	ELECT. CAPACITOR	CEANP101M35
C	6122(A,60,71)	ELECT. CAPACITOR	CEAT101M35
C	6123(A,71,70)		CEAT221M35
C	6124(A,91,72)		CEAT470M50
C	6125(A,84,89)		CEAT101M16
C	6127(A,112,37)	ELECT. CAPACITOR	CEAT682M16
C	6129(A,144,58)		CEAT221M16
C	6130(A,141,19)		CEAT101M16
C	6131(A,94,37)	ELECT. CAPACITOR	CEAT222M16
C	6132(A,48,51)	ELECT. CAPACITOR	CEAT222M25
C	6133(A,144,31)		CEAT101M16
C	6134(A,16,68)		CEAT100M50
C	6135(A,18,52)		CEAT221M25
C	6136(A,48,34)	ELECT. CAPACITOR	CEAT222M25
C	6137(A,18,27)		CEAT221M25

T DC/DC ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	4271(A,112,80)	REGULATOR IC	PQ1CG3032FZ
⚠ D	4271(A,68,85)	DIODE	D3SBA20(B)
⚠ D	4272(B,124,76)	DIODE	RB051L-40
⚠ D	4273(B,115,53)	DIODE	PTZ6R8(B)
L	4271(A,131,65)	INDUCTOR	ATH7044
CN	4271(A,60,53)	4PJUMPER CONNECTOR	52151-0410
CN	4272(A,102,57)	CONNECTOR	B2PS-VH
	4273(A,62,68)	PCB BINDER	VEF1040

RESISTORS

Mark	No.	Description	Part No.
R	4272(B,128,85)		RN1/16SE1001D
R	4273(B,128,81)		RN1/16SE3001D
R	4274(B,130,74)		RS1/16S101J

CAPACITORS

Mark	No.	Description	Part No.
C	4272(A,92,65)	ELECT. CAPACITOR	CEAT103M16
C	4273(A,120,55)	ELECT. CAPACITOR	CEHAZL102M6R3
C	4274(A,62,70)	ELECT. CAPACITOR	CEHAZL102M16
C	4281(B,119,76)		CKSRYB104K16
C	4282(B,111,54)		CKSYB104K25

U TRANS 2-1 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	4201(A,111,106)	PROTECTOR(7A)	AEK7021
⚠ IC	4202(A,95,152)	PROTECTOR(7A)	AEK7021
Q	4201(B,90,97)	CHIP TRANSISTOR	RN1901
Q	4202(B,81,97)	TRANSISTOR	RT3T22M
Q	4203(B,73,97)	TRANSISTOR	RT3T22M
⚠ D	4201(B,100,140)	BRIDGE DIODE	S1WB(A)60SD
D	4203(B,98,105)	DIODE	UDZS10(B)
D	4204(B,71,105)	DIODE	UDZS9R1(B)
D	4205(B,100,105)	DIODE	UDZS9R1(B)
D	4206(B,71,102)	DIODE	UDZS8R2(B)
D	4207(B,100,99)	DIODE	UDZS9R1(B)
D	4208(B,76,104)	DIODE	UDZS8R2(B)
D	4209(B,96,99)	DIODE	UDZS6R8(B)
D	4210(B,76,101)	DIODE	UDZS6R8(B)
D	4211(B,94,102)	DIODE	UDZS13(B)
D	4212(B,81,101)	DIODE	UDZS15(B)
D	4213(B,96,104)	DIODE	UDZS12(B)
D	4214(B,81,104)	DIODE	UDZS12(B)
D	4215(B,77,95)	DIODE	UDZS13(B)
D	4216(B,68,94)	DIODE	UDZS13(B)
J	4201	JUMPER WIRE	D20PDY0610E
	4201(A,73,128)	6P CABLE HOLDER	51048-0600

RESISTORS

Mark	No.	Description	Part No.
⚠ R	4205(A,85,129)	METAL OXIDE RESISTOR	RS1LMF472J
⚠ R	4206(A,71,109)	METAL OXIDE RESISTOR	RS1LMF472J
⚠ R	4207(A,88,126)	METAL OXIDE RESISTOR	RS1/2LMF332J
⚠ R	4208(A,75,106)	METAL OXIDE RESISTOR	RS1/2LMF332J

CAPACITORS

Mark	No.	Description	Part No.
C	4205(A,91,136)	ELECT. CAPACITOR	CEAT471M2A
C	4206(A,81,149)	ELECT. CAPACITOR	CEAT471M2A
C	4207(A,94,119)	ELECT. CAPACITOR	CEAT101M63
C	4208(A,94,108)	ELECT. CAPACITOR	CEAT101M63
C	4209(A,65,132)	ELECT. CAPACITOR	CEAT221M2A
C	4210(A,72,120)	ELECT. CAPACITOR	CEAT221M2A

V VH-TR ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	4261(A,37,16)	IC PROTECTOR	ICP-N15
⚠ IC	4262(A,21,16)	IC PROTECTOR	ICP-N15
⚠ Q	4261(A,36,31)	TRANSISTOR	2SD1763A
⚠ Q	4262(A,21,31)	TRANSISTOR	2SB1186A
⚠ Q	4263(B,30,20)	CHIP TRANSISTOR	2SC3906K

Mark	No.	Description	Part No.
⚠	Q 4264(B,15,20)	CHIP TRANSISTOR	2SA1514K
⚠	D 4261(B,42,16)	DIODE	1SR154-400
⚠	D 4262(B,26,19)	DIODE	1SR154-400
	CN 4261(A,23,9)	6P JUMPER CONNECTOR	52147-0610

RESISTORS

	R 4261(B,29,24)		RS1/16S100J
	R 4262(B,14,24)		RS1/16S100J
	R 4263(B,30,15)		RS1/16S471J
	R 4264(B,14,13)		RS1/16S471J

W DIODE ASSY

MISCELLANEOUS

⚠	D 4251(A,189,128)	DIODE	D5SBA20(B)
⚠	D 4252(A,154,128)	DIODE	D5SBA20(B)

RESISTORS

⚠	R 4251(A,182,147)	CARBON FILM RESISTOR	RD1/4MUF100J

CAPACITORS

	C 4251(A,171,143)	FILM CAPACITOR	CFTLA104J2A
	C 4252(A,176,148)	FILM CAPACITOR	CFTLA104J2A

X SP/PS ASSY

MISCELLANEOUS

	Q 4001(B,150,72)	TRANSISTOR	RT1N140M
	Q 4002(B,229,97)	TRANSISTOR	RT1N140M
	Q 4003(B,247,90)	TRANSISTOR	RT1N140M
	Q 4004(B,290,84)	TRANSISTOR	RT1N140M
	Q 4005(B,212,99)	TRANSISTOR	RT1N140M
	D 4001(B,168,80)	DIODE	1SS352
	D 4002(B,165,80)	DIODE	1SS352
	D 4003(B,216,88)	DIODE	1SS352
	D 4004(B,213,88)	DIODE	1SS352
	D 4005(B,247,82)	DIODE	1SS352
	D 4006(B,244,82)	DIODE	1SS352
	D 4007(B,291,79)	DIODE	1SS352
	D 4008(B,289,79)	DIODE	1SS352
	D 4009(B,217,99)	DIODE	1SS352
	D 4010(B,215,99)	DIODE	1SS352
	L 4011(A,188,78)	COIL	ATH1053
	L 4021(A,149,68)	COIL	ATH1053
	L 4031(A,199,83)	COIL	ATH1053
	L 4041(A,258,82)	COIL	ATH1053
	L 4051(A,236,90)	COIL	ATH1053
	L 4061(A,299,81)	COIL	ATH1053
	L 4071(A,280,84)	COIL	ATH1053
	J 4009(A,147,76)	CONNECTOR ASS'Y	PF13PG-R12
	RY 4001(A,163,81)	RELAY	ASR7001
	RY 4002(A,211,89)	RELAY	ASR7001
	RY 4003(A,242,83)	RELAY	ASR7001
	RY 4004(A,286,82)	RELAY	ASR7001
	RY 4005(A,219,103)	RELAY	ASR7001
	CN 4001(A,185,33)	SPEAKER TERMINAL 6-P	AKE7075
	CN 4002(A,248,33)	SPEAKER TERMINAL 8-P	AKE7074
	CN 4007(A,313,90)	CONNECTOR(05P)	TUC-P05P-B1
	CN 4008(A,313,152)	CONNECTOR(09P)	TUC-P09P-B1

Mark	No.	Description	Part No.
	Y 13	AWG14 BOARD IN	ADX7461

RESISTORS

⚠	R 4011(A,187,68)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4012(A,175,64)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4013(A,193,94)	METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 4021(A,158,70)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4022(A,145,58)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4023(A,188,97)	METAL OXIDE RESISTOR	RS2LMF331J
⚠	R 4031(A,196,87)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4032(A,194,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4041(A,254,82)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4042(A,267,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4051(A,240,93)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4052(A,228,67)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4061(A,309,79)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4062(A,313,73)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4071(A,280,88)	METAL OXIDE RESISTOR	RS1/2LMF4R7J
⚠	R 4072(A,268,94)	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R 4101(A,222,115)	CARBON FILM RESISTOR	RD1/4MUF473J
⚠	R 4102(A,252,115)	CARBON FILM RESISTOR	RD1/4MUF473J

CAPACITORS

	C 4001(A,162,88)		CEAT101M50
	C 4011(A,182,60)		CFTLA104J50
	C 4012(A,178,57)		CFTLA104J50
	C 4021(A,145,48)		CFTLA104J50
	C 4022(A,145,39)		CFTLA104J50
	C 4031(A,197,63)		CFTLA104J50
	C 4032(A,192,57)		CFTLA104J50
	C 4041(A,257,63)		CFTLA104J50
	C 4042(A,257,54)		CFTLA104J50
	C 4051(A,224,61)		CFTLA104J50
	C 4052(A,228,55)		CFTLA104J50
	C 4061(A,304,61)		CFTLA104J50
	C 4062(A,304,54)		CFTLA104J50
	C 4071(A,270,65)		CFTLA104J50
	C 4072(A,272,59)		CFTLA104J50
	C 4101(A,212,137)		ACH7258
	C 4102(A,258,137)		ACH7258

Y TRANS 2-2 ASSY

MISCELLANEOUS

	H 3151(A,172,75)	FUSE CLIP	AKR7001
	H 3152(A,151,75)	FUSE CLIP	AKR7001
	H 3153(A,173,63)	FUSE CLIP	AKR7001
	H 3154(A,152,63)	FUSE CLIP	AKR7001
	H 3155(A,173,52)	FUSE CLIP	AKR7001
	H 3156(A,152,52)	FUSE CLIP	AKR7001
	H 3157(A,172,40)	FUSE CLIP	AKR7001
	H 3158(A,151,40)	FUSE CLIP	AKR7001
	H 3159(A,172,28)	FUSE CLIP	AKR7001
	H 3160(A,151,28)	FUSE CLIP	AKR7001
	J 3151(A,138,41)	CONNECTOR ASS'Y	PF12PG-R40

CAPACITORS

	C 3001(A,158,11)	FILM CAPACITOR	CQMBA102J50

Z POWER SW ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
Q	3561(B,10,72)	DIGITAL TR(SC-70)	RT1N431M
D	3562(A,14,73)	LED(BLUE)	SLR343BC4T(JKLM)
S	3562(A,13,66)	SWITCH	VSG1024
	3562(A,32,81)	4P CABLE HOLDER	51048-0400

RESISTORS

Mark	No.	Description	Part No.
R	3561(B,19,77)		RS1/16S151J

CAPACITORS

Mark	No.	Description	Part No.
C	3563(B,15,80)		CCSRCH101J50

AA PRIMARY ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠ IC	3061(A,299,108)	REGULATOR IC	NJM78M56FA
Q	3061(B,281,71)	DIGITAL TR(SC-70)	RT1N431M
⚠ D	3061(B,297,92)	BRIDGE DIODE	S1WB(A)60SD
D	3062(B,299,78)	DIODE	1SS352
D	3063(B,308,78)	DIODE	UDZS5R1(B)
D	3064(B,275,78)	DIODE	1SS352
D	3065(B,275,71)	DIODE	1SS352
⚠ L	3063(A,244,35)	LINE FILTER	XTF3004
H	3061(A,223,57)	FUSE CLIP	AKR7001
H	3062(A,243,57)	FUSE CLIP	AKR7001
KN	3061(A,313,21)	WRAPPING TERMINAL	VNF1084
⚠ RY	3061(A,271,69)	POWER RELAY	ASR7022
⚠ T	3061(A,273,95)	STANDBY TRANSFORMER	ATT7043
⚠ CN	3061(A,228,33)	AC CODE SOCKET	RKP1751
CN	3062(A,308,126)	CONNECTOR(9P)	TUC-P09X-B1
CN	3063(A,246,126)	CONNECTOR(05P)	TUC-P05X-B1
⚠ CN	3067(A,276,45)	CONNECTOR	B2P3-VH
⚠	3064(A,189,66)	AC SOCKET 1-P	AKP1033

RESISTORS

Mark	No.	Description	Part No.
⚠ R	3061(A,302,18)	RESISTOR(2.2M, 1/2W)	RCN1080
R	3062(B,303,78)		RS1/16S332J
R	3063(A,279,84)	CARBON FILM RESISTOR	RD1/4MUF220J
R	3064(B,305,78)		RS1/16S103J

CAPACITORS

Mark	No.	Description	Part No.
⚠ C	3061(A,266,36)	FILM CAPACITOR	ACE7013
⚠ C	3062(A,252,63)		ACG7039
C	3063(A,289,115)	FILM CAPACITOR	CQMBA103J50
C	3064(B,291,104)		CKSRYB102K50
C	3065(B,289,104)		CKSRYB102K50
C	3066(B,294,100)		CKSRYB102K50
C	3067(B,308,85)		CKSRYB102K50
C	3068(A,305,94)	ELECT. CAPACITOR	CEAT332M25
C	3069(A,317,120)		CEAT221M25
C	3071(B,311,88)		CKSRYB103K50

AB VOLUME ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
S	3571(A,272,203)	ROTARY ENCODER	ASX7049
	3571(A,251,238)	3P CABLE HOLDER	51048-0300

CAPACITORS

Mark	No.	Description	Part No.
C	3571(B,274,214)		CKSRYB103K50
C	3572(B,270,214)		CKSRYB103K50

AC DISPLAY ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	3201(B,52,199)	DISPLAY U-COM	PE5615A
IC	3301(B,121,166)	MICROCOMPUTER IC	PDC158A8
IC	3302(A,17,218)	REMOTE RECEIVER UNIT	RPM7540-H9
⚠ IC	3304(B,166,152)	IC	S-1200B33-M5
Q	3301(B,188,185)	DIGITAL TR(SC-70)	RT1N431M
Q	3302(B,203,189)	DIGITAL TR(SC-70)	RT1N431M
Q	3303(B,25,184)	DIGITAL TR(SC-70)	RT1N431M
Q	3304(B,68,176)	DIGITAL TR(SC-70)	RT1N431M
Q	3305(B,109,190)	DIGITAL TR(SC-70)	RT1N431M
Q	3306(B,117,190)	DIGITAL TR(SC-70)	RT1N431M
Q	3307(B,125,190)	DIGITAL TR(SC-70)	RT1N431M
Q	3309(B,209,207)	TRANSISTOR(SC-70)	2SA1602A
Q	3310(B,195,207)	TRANSISTOR	RT1N241M
Q	3312(B,175,156)	MOS FET	2SK2034
D	3201(B,235,212)	DIODE	MC2848-11
D	3202(B,236,218)	DIODE	1SS352
D	3301(A,176,187)	LED(RED)	SLR-343VC(NPQ)
D	3303(A,212,187)	LED(RED)	SLR-343VC(NPQ)
D	3305(A,29,185)	LED(RED)	SLR-343VC(NPQ)
D	3307(A,65,185)	LED(RED)	SLR-343VC(NPQ)
D	3309(A,112,185)	LED(BLUE)	SLR343BC4T(JKLM)
D	3311(A,120,185)	LED(WHITE)	SLR343WBCT(MNPQ)
D	3313(A,127,185)	LED(BLUE)	SLR343BC4T(JKLM)
D	3315(B,187,209)	DIODE	1SS352
D	3316(B,199,205)	DIODE	1SS352
D	3317(B,190,209)	DIODE	MC2848-11
D	3319(B,178,151)	DIODE	RB751V-40
L	3201(B,235,223)	INDUCTOR	CTF1385
L	3202(B,221,213)	CHIP SOLID INDUCTOR	ATL7002
J	3202	JUMPER WIRE	D20PDY0620E
V	3201(A,182,237)	FL TUBE DISPLAY	AAV7113
S	3301(A,76,143)	SWITCH	VSG1024
S	3302(A,63,140)	SWITCH	VSG1024
S	3303(A,51,128)	SWITCH	VSG1024
S	3304(A,63,126)	SWITCH	VSG1024
S	3305(A,75,128)	SWITCH	VSG1024
S	3306(A,76,113)	SWITCH	VSG1024
S	3307(A,63,116)	SWITCH	VSG1024
S	3308(A,50,113)	SWITCH	VSG1024
S	3309(A,162,137)	SWITCH	VSG1024
S	3310(A,127,137)	SWITCH	VSG1024
S	3311(A,110,137)	SWITCH	VSG1024
S	3312(A,64,163)	SWITCH	VSG1024
S	3313(A,46,163)	SWITCH	VSG1024
S	3314(A,28,163)	SWITCH	VSG1024
S	3315(A,23,137)	SWITCH	VSG1024
S	3316(A,50,143)	SWITCH	VSG1024
S	3317(A,174,163)	SWITCH	VSG1024
S	3318(A,192,163)	SWITCH	VSG1024
S	3319(A,210,163)	SWITCH	VSG1024
S	3320(A,215,137)	SWITCH	VSG1024

Mark	No.	Description	Part No.
S	3321(A,197,137)	SWITCH	VSG1024
S	3322(A,180,137)	SWITCH	VSG1024
S	3323(A,145,137)	SWITCH	VSG1024
X	3201(A,74,191)	CERAMIC RESONATOR	VSS1142
X	3302(A,142,150)	CRYSTAL OSCILLATOR CRYSTAL OSC	CSS1653
CN	3301(A,220,164)	31P CONNECTOR	VKN1291
	3201(A,121,201)	FL HOLDER(FE)	VNF1096
	3202(A,241,231)	6P CABLE HOLDER	51048-0600
	3301(A,241,211)	3P CABLE HOLDER	51048-0300
	3302(A,7,150)	3P CABLE HOLDER	51048-0300
	3303(A,7,190)	4P CABLE HOLDER	51048-0400

RESISTORS

Mark	No.	Description	Part No.
R	3201(B,68,240)		RS1/16S104J
R	3202(B,70,240)		RS1/16S104J
R	3203(B,72,240)		RS1/16S104J
R	3204(B,74,240)		RS1/16S104J
R	3205(B,76,240)		RS1/16S104J
R	3206(B,78,240)		RS1/16S104J
R	3207(B,80,240)		RS1/16S104J
R	3208(B,82,240)		RS1/16S104J
R	3209(B,84,240)		RS1/16S104J
R	3210(B,86,240)		RS1/16S104J
R	3211(B,88,240)		RS1/16S104J
R	3212(B,90,240)		RS1/16S104J
R	3213(B,92,240)		RS1/16S104J
R	3214(B,94,240)		RS1/16S104J
R	3215(B,96,240)		RS1/16S104J
R	3216(B,98,240)		RS1/16S104J
R	3217(B,100,240)		RS1/16S104J
R	3218(B,102,240)		RS1/16S104J
R	3219(B,104,240)		RS1/16S104J
R	3220(B,106,240)		RS1/16S104J
R	3221(B,108,240)		RS1/16S104J
R	3222(B,110,240)		RS1/16S104J
R	3223(B,112,240)		RS1/16S104J
R	3224(B,114,240)		RS1/16S104J
R	3225(B,116,240)		RS1/16S104J
R	3226(B,118,240)		RS1/16S104J
R	3227(B,120,240)		RS1/16S104J
R	3228(B,122,240)		RS1/16S104J
R	3229(B,124,240)		RS1/16S104J
R	3230(B,126,240)		RS1/16S104J
R	3231(B,128,240)		RS1/16S104J
R	3232(B,130,240)		RS1/16S104J
R	3233(B,132,240)		RS1/16S104J
R	3234(B,134,240)		RS1/16S104J
R	3235(B,136,240)		RS1/16S104J
R	3236(B,138,240)		RS1/16S104J
R	3237(B,140,240)		RS1/16S104J
R	3238(B,144,240)		RS1/16S473J
R	3239(B,146,240)		RS1/16S473J
R	3240(B,148,240)		RS1/16S473J
R	3241(B,150,240)		RS1/16S473J
R	3242(B,152,240)		RS1/16S473J
R	3243(B,154,240)		RS1/16S473J
R	3244(B,156,240)		RS1/16S473J
R	3245(B,158,240)		RS1/16S473J
R	3246(B,160,240)		RS1/16S473J
R	3247(B,162,240)		RS1/16S473J
R	3248(B,164,240)		RS1/16S473J
R	3249(B,166,240)		RS1/16S473J
R	3250(B,168,240)		RS1/16S473J
R	3251(B,170,240)		RS1/16S473J
R	3252(B,172,240)		RS1/16S473J
R	3253(B,174,240)		RS1/16S473J
R	3258(B,71,191)		RS1/16S105J
R	3259(B,63,180)		RS1/16S104J
R	3260(B,53,174)		RS1/16S104J
R	3261(B,231,208)		RS1/16S0R0J
R	3262(B,58,174)		RS1/16S101J
R	3263(B,56,174)		RS1/16S101J
R	3264(B,49,174)		RS1/16S104J
R	3306(B,15,179)		RS1/16S0R0J
R	3307(B,213,177)		RS1/16S0R0J
R	3310(B,207,180)		RS1/16S0R0J
R	3318(B,185,183)		RS1/16S681J
R	3319(B,202,185)		RS1/16S681J
R	3320(B,28,195)		RS1/16S681J
R	3321(B,70,180)		RS1/16S681J
R	3322(B,115,195)		RS1/16S151J
R	3323(B,123,195)		RS1/16S561J
R	3324(B,130,195)		RS1/16S151J
R	3326(B,153,151)		RS1/16S0R0J
R	3327(B,150,166)		RS1/16S101J
R	3329(B,147,157)		RS1/16S0R0J
R	3331(B,137,155)		RS1/16S105J
R	3332(B,139,153)		RS1/16S0R0J
R	3333(B,117,143)		RS1/16S474J
R	3334(B,117,141)		RS1/16S101J
R	3335(B,115,148)		RS1/16S473J
R	3336(B,115,146)		RS1/16S473J
R	3337(B,110,146)		RS1/16S473J
R	3338(B,110,148)		RS1/16S473J
R	3339(B,98,174)		RS1/16S101J
R	3340(B,99,183)		RS1/16S473J
R	3341(B,107,180)		RS1/16S101J
R	3342(B,105,180)		RS1/16S101J
R	3344(B,137,184)		RS1/16S101J
R	3345(B,139,179)		RS1/16S473J
R	3349(B,149,176)		RS1/16S101J
R	3350(B,149,174)		RS1/16S101J
R	3351(B,144,172)		RS1/16S101J
R	3352(B,75,147)		RS1/16S472J
R	3353(B,135,140)		RS1/16S472J
R	3354(B,178,168)		RS1/16S472J
R	3355(B,76,140)		RS1/16S681J
R	3356(B,56,132)		RS1/16S821J
R	3357(B,62,129)		RS1/16S122J
R	3358(B,71,128)		RS1/16S162J
R	3359(B,76,117)		RS1/16S272J
R	3360(B,62,113)		RS1/16S512J
R	3361(B,56,116)		RS1/16S123J
R	3363(B,119,137)		RS1/16S681J
R	3364(B,68,167)		RS1/16S821J
R	3365(B,55,161)		RS1/16S122J
R	3366(B,37,163)		RS1/16S162J
R	3367(B,28,140)		RS1/16S272J
R	3368(B,50,138)		RS1/16S512J

Mark	No.	Description	Part No.
R	3369(B,188,163)		RS1/16S681J
R	3370(B,207,167)		RS1/16S821J
R	3371(B,220,140)		RS1/16S122J
R	3372(B,194,140)		RS1/16S162J
R	3373(B,189,137)		RS1/16S272J
R	3374(B,167,141)		RS1/16S512J
R	3377(B,22,227)		RS1/16S101J
R	3378(B,206,205)		RS1/16S104J
R	3379(B,204,205)		RS1/16S104J
R	3380(B,202,205)		RS1/16S472J
R	3381(B,209,203)		RS1/16S102J
R	3382(B,213,203)		RS1/16S103J
R	3384(B,122,142)		RS1/16S221J
R	3385(B,122,147)		RS1/16S474J
R	3386(B,118,146)		RS1/16S221J
R	3387(B,118,148)		RS1/16S104J
R	3388(B,97,169)		RS1/16S221J
R	3389(B,95,170)		RS1/16S473J
R	3390(B,98,177)		RS1/16S221J
R	3391(B,101,176)		RS1/16S473J
R	3394(B,178,156)		RS1/16S333J
R	3395(B,173,154)		RS1/16S154J
R	3396(B,127,151)		RS1/16S104J
R	3397(B,110,173)		RS1/16S104J
R	3398(B,108,173)		RS1/16S104J
R	3399(B,101,172)		RS1/16S104J

CAPACITORS

Mark	No.	Description	Part No.
C	3201(B,179,239)		CKSRYB104K50
C	3202(B,61,240)		CKSRYB102K50
C	3203(A,193,234)	ELECT. CAPACITOR	CEAT101M35
C	3204(B,186,236)		CKSRYB471K50
C	3205(B,142,233)		CKSRYB471K50
C	3206(B,144,233)		CKSRYB471K50
C	3207(B,146,233)		CKSRYB471K50
C	3208(B,148,233)		CKSRYB471K50
C	3209(B,151,233)		CKSRYB471K50
C	3210(B,153,233)		CKSRYB471K50
C	3211(B,155,233)		CKSRYB471K50
C	3212(B,157,233)		CKSRYB471K50
C	3213(B,161,233)		CKSRYB471K50
C	3214(B,163,233)		CKSRYB471K50
C	3215(B,165,233)		CKSRYB471K50
C	3216(B,167,233)		CKSRYB471K50
C	3217(B,170,233)		CKSRYB471K50
C	3218(B,172,233)		CKSRYB471K50
C	3219(B,174,233)		CKSRYB471K50
C	3220(B,176,233)		CKSRYB471K50
C	3221(A,171,193)		CEJQ221M6R3
C	3222(B,232,213)		CKSRYB103K50
C	3223(B,78,196)		CKSRYB102K50
C	3224(B,67,196)		CKSRYB104K16
C	3225(B,61,180)		CKSRYB104K16
C	3227(B,46,187)		CKSRYB104K16
C	3228(B,47,214)		CKSRYB105K10
C	3230(B,49,214)		CKSRYB104K50
C	3231(A,43,239)		CEAT470M50
C	3301(B,183,185)		CCSRCH101J50
C	3302(B,206,186)		CCSRCH101J50

Mark	No.	Description	Part No.
C	3303(B,29,191)		CCSRCH101J50
C	3304(B,66,180)		CCSRCH101J50
C	3305(B,114,192)		CCSRCH101J50
C	3306(B,122,192)		CCSRCH101J50
C	3307(B,129,192)		CCSRCH101J50
C	3309(B,137,162)		CKSRYB104K16
C	3312(B,139,157)		CCSRCH120J50
C	3313(B,139,149)		CCSRCH120J50
C	3314(B,131,156)		CKSRYB105K10
C	3315(B,111,154)		CKSRYB104K16
C	3316(B,106,169)		CKSRYB104K16
C	3318(B,135,176)		CKSRYB104K16
C	3319(B,78,146)		CKSRYB102K50
C	3320(B,130,139)		CKSRYB102K50
C	3321(B,178,166)		CKSRYB102K50
C	3322(B,203,208)		CKSRYB103K50
C	3323(B,15,231)		CKSRYB103K50
C	3324(A,17,236)		CEJQ101M6R3
C	3325(B,213,174)		CKSRYB104K16
C	3326(B,213,172)		CKSRYB104K16
C	3327(B,122,149)		CKSRYB103K50
C	3329(B,103,176)		CKSRYB102K50
C	3330(B,162,155)		CKSRYB105K10
C	3331(B,171,155)		CKSRYB105K10
C	3332(B,133,180)		CKSRYB104K16
C	3333(B,118,181)		CKSRYB104K16

AD INPUT SELECT ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
S	3561(A,61,63)	ROTARY ENCODER	ASX7051
	3561(A,89,94)	3P CABLE HOLDER	51048-0300

CAPACITORS

Mark	No.	Description	Part No.
C	3561(B,63,74)		CKSRYB103K50
C	3562(B,59,74)		CKSRYB103K50

AE PREOUT & CONTROL ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
IC	2931(A,205,121)	RS232 IC	HIN202EIBNZ
IC	2932(A,179,86)	IC	NJM2794V
IC	2933(A,184,100)	IC	NJM2505AF
Q	2801(A,206,14)	TRANSISTOR	IMX25
Q	2802(A,206,21)	TRANSISTOR	IMX25
Q	2821(A,206,27)	TRANSISTOR	IMX25
Q	2822(A,206,34)	TRANSISTOR	IMX25
Q	2841(A,206,40)	TRANSISTOR	IMX25
Q	2842(A,206,47)	TRANSISTOR	IMX25
Q	2861(A,206,53)	TRANSISTOR	IMX25
Q	2862(A,206,60)	TRANSISTOR	IMX25
Q	2931(B,200,114)	TRANSISTOR	2SC4154
Q	2952(B,207,110)	DIGITAL TR(SC-70)	RT1N431M
D	2931(B,205,122)	DIODE	1SS352
D	2951(B,189,121)	DIODE	1SS352
D	2952(B,188,114)	DIODE	1SS352
D	2957(A,199,92)	DIODE	UDZS6R2(B)
D	2958(A,196,92)	DIODE	UDZS6R2(B)
D	2959(A,199,96)	DIODE	UDZS6R2(B)
D	2960(A,199,98)	DIODE	UDZS6R2(B)

Mark	No.	Description	Part No.
JA	2804(A,229,98)	20P SOCKET	AKP7202
JA	2805(A,229,23)	PIN JACK(4P)	AKB7172
JA	2806(A,229,51)	PIN JACK(4P)	AKB7172
JA	2931(A,229,125)	9P D-SUB SOCKET	AKP1213
JA	2932(A,229,75)	SOCKET	BKP1127
CN	2801(A,173,26)	CONNECTOR	CKS3389
CN	2802(A,174,135)	23P SOCKET	XKP3082

RESISTORS

Mark	No.	Description	Part No.
R	2801(B,212,14)		RS1/16S101J
R	2802(B,212,21)		RS1/16S101J
R	2803(B,206,14)		RS1/16S121J
R	2804(B,206,21)		RS1/16S121J
R	2805(B,200,14)		RS1/16S271J
R	2806(B,200,21)		RS1/16S271J
R	2807(A,211,16)		RS1/16S103J
R	2808(A,211,22)		RS1/16S103J
R	2809(A,202,16)		RS1/16S103J
R	2810(A,202,22)		RS1/16S103J
R	2821(B,212,26)		RS1/16S101J
R	2822(B,212,34)		RS1/16S101J
R	2823(B,206,27)		RS1/16S121J
R	2824(B,206,34)		RS1/16S121J
R	2825(B,200,27)		RS1/16S271J
R	2826(B,200,34)		RS1/16S271J
R	2827(A,211,29)		RS1/16S103J
R	2828(A,211,35)		RS1/16S103J
R	2829(A,202,29)		RS1/16S103J
R	2830(A,202,35)		RS1/16S103J
R	2841(B,212,39)		RS1/16S101J
R	2842(B,212,48)		RS1/16S101J
R	2843(B,206,40)		RS1/16S121J
R	2844(B,206,47)		RS1/16S121J
R	2845(B,200,40)		RS1/16S271J
R	2846(B,200,47)		RS1/16S271J
R	2847(A,211,42)		RS1/16S103J
R	2848(A,211,48)		RS1/16S103J
R	2849(A,202,42)		RS1/16S103J
R	2850(A,202,48)		RS1/16S103J
R	2861(B,212,53)		RS1/16S101J
R	2862(B,212,62)		RS1/16S101J
R	2863(B,206,53)		RS1/16S121J
R	2864(B,206,60)		RS1/16S121J
R	2865(B,200,53)		RS1/16S271J
R	2866(B,200,60)		RS1/16S271J
R	2867(A,211,55)		RS1/16S103J
R	2868(A,211,61)		RS1/16S103J
R	2869(A,202,55)		RS1/16S103J
R	2870(A,202,61)		RS1/16S103J
R	2931(B,188,119)		RS1/16S0R0J
R	2932(B,213,122)		RS1/16S101J
R	2933(B,188,117)		RS1/16S0R0J
R	2934(A,210,128)		RS1/16S101J
R	2935(B,188,125)		RS1/16S0R0J
R	2936(B,209,120)		RS1/16S474J
R	2937(B,205,117)		RS1/16S103J
R	2938(B,203,117)		RS1/16S224J
R	2939(B,223,118)		RS1/16S0R0J
R	2940(B,210,116)		RS1/16S224J
R	2941(A,210,116)		RS1/16S101J
R	2942(A,203,126)		RS1/16S101J
R	2943(A,208,128)		RS1/16S101J
R	2951(B,192,87)		RS1/16S473J
R	2952(B,192,92)		RS1/16S473J
R	2953(B,191,84)		RS1/16S331J
R	2954(B,191,95)		RS1/16S331J
R	2957(B,215,108)		RS1/16S514J
R	2961(B,210,107)		RS1/16S393J
R	2965(B,174,103)		RS1/16S104J
R	2966(B,174,93)		RS1/16S104J
R	2970(B,200,99)		RS1/16S750J
R	2971(B,195,103)		RS1/16S101J
R	2972(B,195,101)		RS1/16S101J
R	2973(A,203,68)		RS1/16S473J
R	2974(A,203,72)		RS1/16S473J
R	2975(A,200,68)		RS1/16S331J
R	2976(A,200,71)		RS1/16S331J
R	2979(B,186,76)		RS1/16S0R0J
R	2980(B,186,78)		RS1/16S0R0J
R	2996(B,179,75)		RS1/16S0R0J
R	2997(B,218,85)		RS1/16S0R0J

CAPACITORS

Mark	No.	Description	Part No.
C	2891(B,223,23)		CKSRYB103K50
C	2892(B,222,50)		CKSRYB103K50
C	2931(B,214,135)		CKSRYB103K50
C	2933(B,198,119)		CKSRYB104K16
C	2934(B,207,120)		CKSRYB104K16
C	2935(A,201,116)		CKSRYB104K16
C	2936(A,205,116)		CKSRYB104K16
C	2937(A,198,121)		CKSRYB103K50
C	2938(A,193,120)		CEAT101M16
C	2939(B,212,118)		CKSRYB103K50
C	2940(B,201,117)		CCSRCH331J50
C	2945		CKSRYB102K50
C	2957(B,184,116)		CKSRYB103K50
C	2960(B,204,83)		CKSQYB105K16
C	2961(A,192,81)		CEAT4R7M50
C	2962(A,184,94)		CEAT4R7M50
C	2963(A,184,82)		CEAT4R7M50
C	2964(A,184,88)		CEAT4R7M50
C	2965(A,173,98)		CEAT4R7M50
C	2966(A,173,87)		CEAT4R7M50
C	2967(A,180,94)	ELECT. CAPACITOR	CEAT220M50
C	2968(A,181,79)		CEAT100M50
C	2973(B,215,114)		CKSRYB103K50
C	2976(B,222,108)		CKSRYB103K50
C	2979(A,181,99)		CKSRYB103K50
C	2980(A,189,105)		CEAT4R7M50
C	2981(A,188,99)		CEAT4R7M50
C	2982(A,184,105)		CEAT4R7M50
C	2998(A,212,73)		CKSRYB103K50

AF FR IN BARRIER1 ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	2301(A,81,67)	PCB BINDER	VEF1040

AG HDMI POWER ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
	H 6501(A,210,66)	FUSE CLIP	AKR7001
	H 6502(A,210,45)	FUSE CLIP	AKR7001
	CN6501(A,213,85)	2P CONNECTOR	B2P-VH
	CN6502(A,229,86)	2P TOP POST	B2B-EH
	CN6503(A,227,38)	CONNECTOR	B4B-EH

CAPACITORS

Mark	No.	Description	Part No.
	C 6502(A,232,55)	ELECT. CAPACITOR	CEAT682M25
	C 6503		CKSRYB102K50

AH HDMI TRANS ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	Y 22 (A,237,173)	2P HOUSING WIRE ASSY	ADX7603
	Y 23 (A,239,230)	2P HOUSING WIRE ASSY	ADX7606

A I HDMI DIODE ASSY

MISCELLANEOUS

Mark	No.	Description	Part No.
⚠	D 6501(A,227,13)	DIODE	D3SBA20(B)
	J 6501(A,232,27)	CONNECTOR ASS'Y	PF04EN-S05
	6501	PCB BINDER	VEF1040

AJ HDMI & DLNA ASSY (VSX-94TXH)

SEMICONDUCTORS

Mark	No.	Description	Part No.
⚠	IC 11		NJM2846DL3-33
⚠	IC 21		NJM2846DL3-18
⚠	IC 31		NJM2886DL3-33
	IC 101		SII9135CTU
	IC 151		TC74VHC126FTS1
	IC 201,1381,1383,1384		TC74LCX541FTS1
	IC 202		ICS571MLF
	IC 203		TC7WH74FU
	IC 204,205		TC7WH157FU
	IC 251		TC74LCX157FTS1
	IC 301		SII9134CTU
	IC 401		ADV7800BSTZ-80
	IC 402		TC7WHU04FU
	IC 501		PEG118A
	IC 502		AYW7181
	IC 504		BU4094BCFV
	IC 505		TC7WH125FU
	IC 506		TC7WT125FU
	IC 601		ADV7172KSTZ
	IC 701		DM850E
	IC 801		AAT4618IGV-0.5-1
	IC 861		RTL8201CP-LF
	IC 881		AYW7185
	IC 891		HY57V641620FTP-6
	IC 911		TC74VHC08FTS1
	IC 921		TC74VHCT08AFTS1
⚠	IC 1001		BD9011KV
⚠	IC 1051		PQ200WNA1ZPH
⚠	IC 1071		NJM78M05DL1A
	IC 1101,1151		CXB1442AR
	IC 1201,1203,1251,1253		BR24L02FV-W
	IC 1202,1204,1252,1254		TC7MB3257FK
	IC 1205,1206,1255,1257		TC7WBD125AFK
	IC 1301		FLI2310-LF-CF
	IC 1351		EDS6432AFTA-6B-E
	Q 151,152,352,1101		DTC114YUA
	Q 201		DTA124EUA
	Q 351		UMB1N
	Q 631,641,651,661		2SA1576A
	Q 671,681,1051		2SA1576A
⚠	Q 1001,1002		SP8K1
	Q 1052		DTC124EUA
	Q 1102,1104,1151,1152		DTC114YUA
	Q 1103,1153		2SB1689
	Q 1154,1201-1203		DTC114YUA
	Q 1251-1253		DTC114YUA
	Q 1281		HN1K02FU
	D 11,22		RB050L-40
	D 301		UDZS5R1(B)
	D 551		RB501V-40
	D 1001,1002		RB160VA-40
⚠	D 1003,1004		RLZ5.6B
⚠	D 1071		RLZ6.8B
	D 1101,1102,1151,1150		DAN202U

MISCELLANEOUS

Mark	No.	Description	Part No.
	L 10	CHIP BEEDS FILTER	BTX1040
	L 101-104,301-305	CHIP BEADS	ATL7010
	L 105,106	CHIP SOLID INDUCTOR	QTL1013
	L 201	INDUCTOR	CTF1379
	L 202-204	CHIP SOLID INDUCTOR	ATL7002
	L 207,251	CHIP SOLID INDUCTOR	ATL7002
	L 351-354	COIL	ATH7022
	L 401,402,404,406	CHIP BEADS	ATL7010
	L 403,405	CHIP SOLID INDUCTOR	QTL1013
	L 501,601	CHIP SOLID INDUCTOR	ATL7002
	L 602	CHIP SOLID INDUCTOR	ATL7002
	L 631,641,651,661	INDUCTOR	ATL7015
	L 671,681	INDUCTOR	ATL7015
	L 701,702,861,862	INDUCTOR	CTF1357
	L 704-707	CHIP FERRITE BEADS	ATF1211
	L 801	CHIP FERRITE BEADS	VTL1169
	L 802	COIL	VTH1043
	L 871,881,891,911	INDUCTOR	CTF1357
	L 921	INDUCTOR	CTF1357
	L 1001,1101,1151	CHIP BEADS	ATL7010
	L 1002	INDUCTOR	DTL1135
	L 1003	INDUCTOR	ATL7013
	L 1092,1093	INDUCTOR	CTF1386
	L 1301-1305	CHIP SOLID INDUCTOR	ATL7002
	L 1351	CHIP SOLID INDUCTOR	ATL7002
	JA 301	HDMI CONNECTOR	AKP7220
	JA 701	RJ45C ONNECTOR TRNS	AKP1307
	JA 1101,1102,1151	HDMI CONNECTOR	AKP1318
	JA 1152	HDMI CONNECTOR	AKP1318
	KN 1	SCREW PLATE	VNE1948
	X 101	CRYSTAL RESONATOR	ASS7068
	X 401	CRYSTAL RESONATOR	ASS7069
	X 501	CERAMIC RESONATOR	XSS3004
	X 701	CRYSTAL RESONATOR	XSS3003
	X 861	CRYSTAL RESONATOR	ASS7084

Mark	No.	Description	Part No.
	X 1301	CRYSTAL RESONATOR	ASS7070
	CN502	7P CONNECTOR	VKN1411
	CN801	CONNECTOR	AKM1276
	CN901	22P CONNECTOR	RKN1063
	CN952	5P CONNECTOR	VKN1374
	CN1001,1002	CONNECTOR	CKS4898
	0	ID LABEL ASSY	AXW7015

RESISTORS

Mark	No.	Description	Part No.
	R 101,103-105		RAB4CQ220J
	R 108		RAB4CQ100J
	R 115,204,1385-1388		RAB4CQ680J
	R 119,331,333-341		RAB4CQ473J
	R 130-132,134-136		RAB4CQ220J
	R 304		RS1/16SS6800F
	R 428,429		RAB4CQ470J
	R 432,433		RAB4CQ560J
	R 434,437,442,443		RAB4CQ473J
	R 446,447,450,702		RAB4CQ473J
	R 464,465,467,468		RAB4CQ0R0J
	R 480-483,741,761		RAB4CQ220J
	R 579		RAB4CQ0R0J
	R 596		RAB4CQ101J
	R 609-612		RS1/16SS1201F
	R 633,643,653,663		RS1/16SS2200F
	R 634,644,654,664		RS1/16SS4700F
	R 635,645,655,665		RS1/10S0R0J
	R 673,683		RS1/16SS2200F
	R 674,684		RS1/16SS4700F
	R 675,685,1008,1009		RS1/10S0R0J
	R 712,764,779		RAB4CQ473J
	R 723		RS1/16S5101F
	R 724		RS1/16S3900F
	R 746,747,749		RAB4CQ330J
	R 769,771,789		RAB4CQ220J
	R 851-854		RAB4CQ330J
	R 867		RS1/16S2001F
	R 868-871		RS1/16S49R9F
	R 1002,1004		ACN7156
	R 1011		RS1/16SS4702F
	R 1012,1022		RS1/16SS1502F
	R 1023		RS1/16SS1202F
	R 1031,1095,1096		RS1/10S0R0J
	R 1052,1053		RS1/10S6R8J
	R 1057		RS1/16SS1801F
	R 1059		RS1/16SS2001F
	R 1071-1073		RS1/16S0R0J
	R 1110,1160		RS1/16SS4701F
	R 1314-1317,1352		RAB4CQ220J
	R 1394		RAB4CQ680J
	Other Resistors		RS1/16SS###J

CAPACITORS

Mark	No.	Description	Part No.
	C 10		CEVW470M16
	C 11,31,801		CKSSYB104K16
	C 12,32		CKSQYB225K10
	C 13,421,735,1004		CKSSYB102K50
	C 21,106-108,110		CKSSYB104K10
	C 22		DCG1028
	C 23		CEVW221M4
	C 33		CEVW101M6R3
	C 101,102,301,302		DCH1165
	C 103,104,303-305		CKSQYB106K6R3
	C 105,113,121,122		CKSSYB105K6R3
	C 109,111,131,152		CKSSYB103K16
	C 114-120,123-126		CKSSYB104K10
	C 127,320,463,740		CCSSCH120J50
	C 128,462		CCSSCH100D50
	C 129,130,133,307		CKSSYB105K6R3
	C 132,134-139,151		CKSSYB104K10
	C 153,203,204,308		CKSSYB103K16
	C 201,205-207,251		CKSSYB104K10
	C 202		CEVW4R7M35
	C 210,718,721,860		CKSSYB471K50
	C 306,309,311,313		CKSSYB104K10
	C 310,312,314		CKSSYB105K6R3
	C 315,316,351,403		CKSSYB104K10
	C 317-319,404,433		CKSSYB105K6R3
	C 401,402,419,434		CEVW101M16
	C 405-411,418,420		CKSSYB104K10
	C 412,414,435,436		CKSSYB103K16
	C 413		CKSSYB823K10
	C 415		CKSRYB824K10
	C 416		CKSSYB393K10
	C 417		CKSQYB106K6R3
	C 422-429,431,437		CKSSYB104K10
	C 430,432,710,742		CEVW100M16
	C 438,441-443		CKSSYB104K10
	C 439,440,1056,1303		DCH1201
	C 445-449,461,502		CKSSYB104K10
	C 501,613,1313,2503		CKSSYB103K16
	C 503,601,611,802		CEVW101M16
	C 504,506,508,509		CKSSYB104K10
	C 505,610,1314-1318		CKSSYB105K6R3
	C 551,552,602-609		CKSSYB104K10
	C 612,614,615,617		CKSSYB104K10
	C 631,641,651,661		CKSSYB104K10
	C 632,633,642,643		CCSSCH101J50
	C 652,653,662,663		CCSSCH101J50
	C 671,681,701-706		CKSSYB104K10
	C 672,673,682,683		CCSSCH101J50
	C 708,709,711-717		CKSSYB104K10
	C 719,722,724-734		CKSSYB104K10
	C 720,867		CEVW220M16
	C 723,875		CEVW470M6R3
	C 736-739,861-865		CKSSYB104K10
	C 741,1339,1340		CCSSCH120J50
	C 743,1073,1302		CEVW100M16
	C 803-805		CKSSYB104K16
	C 807,1301,1305		CEVW101M16
	C 866,869,881,895		CKSSYB471K50
	C 868,871,872,874		CKSSYB104K10
	C 870,1351		ACH7174
	C 873		CEVW330M16
	C 876,877		CCSSCH180J50
	C 882,891-894,900		CKSSYB104K10
	C 897-899,911,921		CKSSYB471K50
	C 912,922,1054		CKSSYB104K10

Mark	No.	Description	Part No.
	C 1001		CEVW470M25
	C 1002		CCG1195
	C 1005,1012,1017,1018		CKSRYB104K25
	C 1006		CKSSYB102K50
	C 1010		CKSRYB152K50
	C 1011,1024		BCG1059
	C 1013,1014,1022		CKSRYB105K10
	C 1015		CKSRYB332K50
	C 1016		CCSSCH330J50
	C 1019		CCSSCH221J50
	C 1020		CKSRYB103K25
	C 1021,1025,1072		CKSRYB104K25
	C 1023		CKSRYB222K50
	C 1051,1053		CKSQYB105K25
	C 1052		CKSQYB224K25
	C 1071		CEVW1R0M50
	C 1102-1109,1152-1159		CKSSYB104K10
	C 1110,1160		DCH1165
	C 1201-1206,1251-1256		CKSSYB104K10
	C 1306,1308-1312		CKSSYB104K10
	C 1319-1322,1324-1332		CKSSYB104K10
	C 1335-1338,1341		CKSSYB104K10
	C 1352-1363		CKSSYB105K6R3
	C 1381-1383		CKSSYB104K10
	C 2505-2507		CKSSYB103K16

AK HDMI & DVC ASSY (VSX-92TXH)

SEMICONDUCTORS

Mark	No.	Description	Part No.
	IC 101		SII9135CTU
	IC 151		TC74VHC126FTS1
	IC 201,1381,1383,1384		TC74LCX541FTS1
	IC 251		TC74LCX157FTS1
	IC 301		SII9134CTU
	IC 401		ADV7800BSTZ-80
	IC 402		TC7WHU04FU
	IC 501		PEG118A
	IC 502		AYW7181
	IC 504		BU4094BCFV
	IC 505		TC7WH125FU
	IC 506		TC7WT125FU
	IC 601		ADV7172KSTZ
	IC 1001		BD9011KV
	IC 1051		PQ200WNA1ZPH
	IC 1071		NJM78M05DL1A
	IC 1151		CXB1442AR
	IC 1203,1251,1253		BR24L02FV-W
	IC 1204,1252,1254		TC7MB3257FK
	IC 1255,1257		TC7WBD125AFK
	IC 1301		FLI2310-LF-CF
	IC 1351		EDS6432AFTA-6B-E
	Q 152,352,1102,1151		DTC114YUA
	Q 351		UMB1N
	Q 631,641,651,661		2SA1576A
	Q 671,681,1051		2SA1576A
	Q 1001,1002		SP8K1
	Q 1052		DTC124EUA
	Q 1152,1154,1202		DTC114YUA
	Q 1153		2SB1689
	Q 1251-1253		DTC114YUA
	Q 1281		HN1K02FU
	D 301		UDZS5R1(B)
	D 551		RB501V-40
	D 1001,1002		RB160VA-40
⚠	D 1003,1004		RLZ5.6B
⚠	D 1071		RLZ6.8B
	D 1102,1151,1152		DAN202U

MISCELLANEOUS

Mark	No.	Description	Part No.
	L 101-104,301-305	CHIP BEADS	ATL7010
	L 105,106	CHIP SOLID INDUCTOR	QTL1013
	L 207,251	CHIP SOLID INDUCTOR	ATL7002
	L 351-354	COIL	ATH7022
	L 401,402,404,406	CHIP BEADS	ATL7010
	L 403,405	CHIP SOLID INDUCTOR	QTL1013
	L 501,601	CHIP SOLID INDUCTOR	ATL7002
	L 602	CHIP SOLID INDUCTOR	ATL7002
	L 631,641,651,661	INDUCTOR	ATL7015
	L 671,681	INDUCTOR	ATL7015
	L 1001,1151	CHIP BEADS	ATL7010
	L 1002	INDUCTOR	DTL1135
	L 1003	INDUCTOR	ATL7013
	L 1092,1093	INDUCTOR	CTF1386
	L 1301-1305	CHIP SOLID INDUCTOR	ATL7002
	L 1351	CHIP SOLID INDUCTOR	ATL7002
	JA 301	HDMI CONNECTOR	AKP7220
	JA 1102,1151,1152	HDMI CONNECTOR	AKP1318
	X 101	CRYSTAL RESONATOR	ASS7068
	X 401	CRYSTAL RESONATOR	ASS7069
	X 501	CERAMIC RESONATOR	XSS3004
	X 1301	CRYSTAL RESONATOR	ASS7070
	CN 502	7P CONNECTOR	VKN1411
	CN 1001,1002	CONNECTOR	CKS4898

RESISTORS

Mark	No.	Description	Part No.
	R 101,103-105		RAB4CQ220J
	R 108		RAB4CQ100J
	R 115,204,1385-1388		RAB4CQ680J
	R 119,331,333-341		RAB4CQ473J
	R 130-132,134-136		RAB4CQ220J
	R 141-144		ACN1275
	R 304		RS1/16SS6800F
	R 428,429		RAB4CQ470J
	R 432,433		RAB4CQ560J
	R 434,437,442,443		RAB4CQ473J
	R 446,447,450		RAB4CQ473J
	R 464,465,467,468		RAB4CQ0R0J
	R 480-483,1314-1317		RAB4CQ220J
	R 579		RAB4CQ0R0J
	R 596		RAB4CQ101J
	R 609-612		RS1/16SS1201F
	R 633,643,653,663		RS1/16SS2200F
	R 634,644,654,664		RS1/16SS4700F
	R 635,645,655,665		RS1/10S0R0J
	R 673,683		RS1/16SS2200F
	R 674,684		RS1/16SS4700F
	R 675,685,1008,1009		RS1/10S0R0J
	R 1002,1004		ACN7156
	R 1011		RS1/16SS4702F
	R 1012,1022		RS1/16SS1502F

Mark	No. Description	Part No.
	R 1023	RS1/16SS1202F
	R 1031,1095,1096	RS1/10S0R0J
	R 1052,1053	RS1/10S6R8J
	R 1057	RS1/16SS1801F
	R 1059	RS1/16SS2001F
	R 1071-1073	RS1/16S0R0J
	R 1160	RS1/16SS4701F
	R 1352	RAB4CQ220J
	R 1394	RAB4CQ680J
	Other Resistors	RS1/16SS###J

CAPACITORS

Mark	No. Description	Part No.
	C 101,102,301,302	DCH1165
	C 103,104,303-305	CKSQYB106K6R3
	C 105,113,121,122	CKSSYB105K6R3
	C 106-108,110	CKSSYB104K10
	C 109,111,131,152	CKSSYB103K16
	C 114-120,123-126	CKSSYB104K10
	C 127,320,463,1339	CCSSCH120J50
	C 128,462	CCSSCH100D50
	C 129,130,133,307	CKSSYB105K6R3
	C 132,134-139,151	CKSSYB104K10
	C 153,308,412,414	CKSSYB103K16
	C 201,251,306,309	CKSSYB104K10
	C 210	CKSSYB471K50
	C 310,312,314	CKSSYB105K6R3
	C 311,313,315,316	CKSSYB104K10
	C 317-319,404,433	CKSSYB105K6R3
	C 351,403,405-411	CKSSYB104K10
	C 401,402,419,434	CEVW101M16
	C 413	CKSSYB823K10
	C 415	CKSRYB824K10
	C 416	CKSSYB393K10
	C 417	CKSQYB106K6R3
	C 418,420,422-429	CKSSYB104K10
	C 421,1004,1006	CKSSYB102K50
	C 430,432,1073,1302	CEVW100M16
	C 431,437,438	CKSSYB104K10
	C 435,436,501,613	CKSSYB103K16
	C 439,440,1056,1303	DCH1201
	C 441-443,445-449	CKSSYB104K10
	C 461,502,504,506	CKSSYB104K10
	C 503,601,611,1301	CEVW101M16
	C 505,610,1314-1318	CKSSYB105K6R3
	C 508,509,551,552	CKSSYB104K10
	C 602-609,612,614	CKSSYB104K10
	C 615,617,631,641	CKSSYB104K10
	C 632,633,642,643	CCSSCH101J50
	C 651,661,671,681	CKSSYB104K10
	C 652,653,662,663	CCSSCH101J50
	C 672,673,682,683	CCSSCH101J50
	C 1001	CEVW470M25
	C 1002	CCG1195
	C 1005,1012,1017,1018	CKSRYB104K25
	C 1010	CKSRYB152K50
	C 1011,1024	BCG1059
	C 1013,1014,1022	CKSRYB105K10
	C 1015	CKSRYB332K50
	C 1016	CCSSCH330J50
	C 1019	CCSSCH221J50
	C 1020	CKSRYB103K25
	C 1021,1025,1072	CKSRYB104K25
	C 1023	CKSRYB222K50
	C 1051,1053	CKSQYB105K25
	C 1052	CKSQYB224K25
	C 1054,1152-1159,1203	CKSSYB104K10
	C 1071	CEVW1R0M50
	C 1160	DCH1165
	C 1204,1251-1256,1306	CKSSYB104K10
	C 1305	CEVW101M16
	C 1308-1312,1319-1322	CKSSYB104K10
	C 1313	CKSSYB103K16
	C 1324-1332,1335-1338	CKSSYB104K10
	C 1340	CCSSCH120J50
	C 1341,1381-1383	CKSSYB104K10
	C 1351	ACH7174
	C 1352-1363	CKSSYB105K6R3

AL TRANS 1 ASSY

TRANS 1 ASSY has no service part.

FM/AM TUNER UNIT

FM/AM TUNER UNIT has no service part.